

1973 Bulletin 1974

S M C
Archives

**SAINT
MICHAEL'S
COLLEGE**

SAINT MICHAEL'S COLLEGE
WINOOSKI,
VERMONT 05404
(Suburban Burlington)

Saint Michael's College believes in . . . and practices . . . non-discrimination. Applicants for admission as students or applicants for College employment will not be discriminated against because of race, color, religion, age, sex or national origin.

The academic records of students are in the custody of the Director of the Student Information Center/Registrar. These records are considered confidential and are managed generally according to the *Guide Developed by the Committee on Records Management and Transcript Adequacy of the American Association of Collegiate Registrars and Admissions Officers*. Transcripts of a student's work are usually released only at the request of the student. Academic information released concerning students otherwise is generally limited to date of birth, dates of enrollment at Saint Michael's College and degrees earned here, home and local addresses, and verification of signature.

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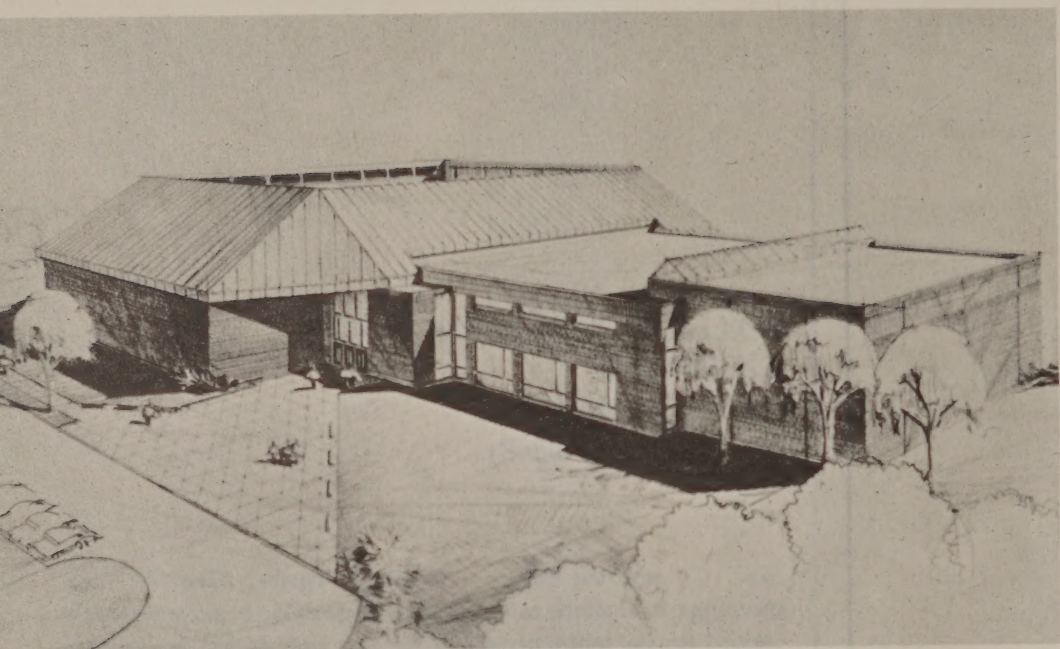
STUDENT OF THE YEAR

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*This is the Undergraduate
Bulletin for the sixty-ninth
academic year of liberal arts
and sciences education provided
by Saint Michael's College*

S. M. C.
Archives



Above, an aerial artists' rendering of the new, \$2,200,000 Vincent C. Ross Sports Center. This beautiful and impressive building, dedicated and opened in July, 1973, houses a multi-sport gymnasium, a swimming pool, women's dance studio, exercise room and other athletic facilities. It is named in honor of Trustee Vincent C. Ross, whose generosity and dedication to St. Michael's made the center possible. Below, a photograph of the center taken from atop Jeremiah K. Durick Library in mid-winter at a time when the now-finished structure was about 50 per cent complete.

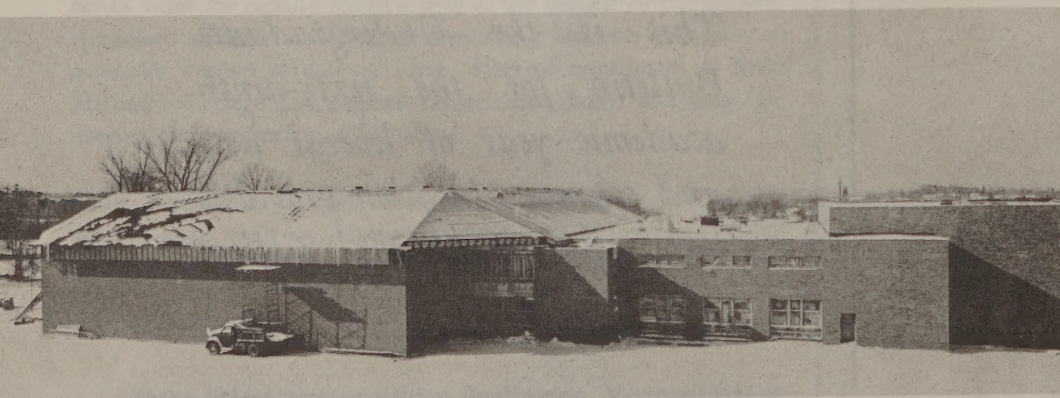


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ACADEMIC CALENDAR

1973

First Semester

Sept.	2-3	Freshman Orientation
	4	Classes begin for Freshmen Registration for Upperclassmen
	5	Classes begin for Upperclassmen
	19	Last day for course changes
Oct.	12	No classes
	15	Last day for making up grades of I and X from the previous semester
	25	Quarterly reports due
Nov.	21	Thanksgiving recess—11:30 A.M.
	26	Classes resume
Dec.	13-14	Study days—no classes
	17-21	Final examinations
		Christmas vacation begins after last class End of semester

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Second Semester

Jan.	21	Registration for second semester
	22	Classes resume
Feb.	5	Last day for course changes
March	5	Last day for making up grades of I and X from previous semester
	8	Spring vacation begins after last class
	9	Quarterly reports due
	18	Classes resume
April	11	Easter vacation begins after last class
	16	Classes resume
May	9-10	Study days—no classes
	11-18	Final examinations
	26	Commencement

STATEMENT OF AIMS

Saint Michael's College has always been dedicated to the liberal education of its students.

In keeping with this ideal, the faculty and administration of Saint Michael's College in the nineteen seventies will strive to develop young men and women who:

- Think clearly—who relate facts and principles to reach meaningful conclusions;
- Write and speak effectively;
- Are able to work with the concepts and techniques of a particular discipline as a result of an intensive experience with it;
- Have an awareness and concern about the theological and philosophical problems which man's very existence arouses;
- Are concerned about other human beings and the conditions of their existence;
- Are aware of our own cultural heritage as one among many.

HISTORY

Saint Michael's College was opened in 1904 by the Fathers of the Society of St. Edmund, a religious congregation organized in France in 1843 and active in education since 1879. Having come to the United States in the late nineteenth century, the Edmundites founded the College in Winooski Park, Vermont, near Burlington and between Lake Champlain and the Green Mountains.

The College was combined with a high school in those early years. In 1931, however, the high school was discontinued. During these years the College itself was growing slowly and by World War II had reached an enrollment of about 250 students.

After World War II

After the War the College expanded rapidly toward its present enrollment of about 1500 students. To accommodate the increased numbers, the College administration transported to the campus a large number of wooden buildings from Fort Ethan Allen, a nearby military post. These have since been replaced with permanent structures.

In the years after World War II, the faculty and administration also developed the program of studies known as the "Saint Michael's Plan." This featured a core of courses in Philosophy, Theology, English, Humanities (Literature and History), and the Sciences, which all students had to take. The Saint Michael's Plan, in addition, required each student to concentrate in one subject but it also allowed him to elect a number of courses according to his own interests. The purpose underlying the Saint Michael's Plan was the intellectual growth of the students. In working toward this goal the College authorities also sought to develop men whose values were formed according to the principles of Catholicism.

In the Seventies

Saint Michael's College has undergone further changes recently which are making the 1970's a new phase in its his-

tory. One of the most important changes is a new relationship between the College and the Edmundites.

The Edmundites, through most of the College's history, provided its administrative officers and many of its faculty. Edmundite expansion into missionary work in the southern United States, in South America, and in Canada, however, has absorbed many of their men. For the welfare of the College they made provision, therefore, that the president of Saint Michael's College need no longer be an Edmundite. As a result, Dr. Bernard L. Boutin, a layman, became president in June 1969. President Boutin is, of course, responsible to the Board of Trustees, at least half of whom must be Edmundites. Their influence in the operation of the College has thus been preserved.

The Saint Michael's Plan of Studies has also been changed. By vote of the faculty the core curriculum, as of September 1971, was discontinued. In its place, students are now required to elect a stated number of courses from specified areas of study. The courses themselves are no longer specified. Saint Michael's College will nevertheless remain dedicated to education in the liberal arts since the disciplines represented in the core curriculum are also represented in the new requirement.

Women at Saint Michael's College

Women have studied at Saint Michael's College for many years. They attend graduate courses given during the summers in large numbers. They have also studied for many years in a special language program that operates through the regular academic year.

In the spring of 1970 the Board of Trustees decided that Saint Michael's College should be coeducational. Since the living accommodations were already in operation, admitting young women as undergraduates was an easy step. About 25 young women were matriculated in September of 1970 and about fifty more were admitted in September of 1971. The total number of women expected on campus during 1973-74 is 400. The College expects to increase the number of women as rapidly as possible until they make up from one-third to one-half of the student body.

The Campus

The Campus is divided into two sections: the Main Campus and the North Campus. These areas are about a mile apart but are connected by bus service operating at fifteen-minute intervals.

The buildings on the Main Campus are organized about the axis formed by the College Chapel, actually named the Chapel of Saint Michael the Archangel, and the Jeremiah Kinsella Durick Library. These are easily the handsomest buildings on the Main Campus. By their prominence and distinctiveness they emphasize the spiritual and intellectual goals to which Saint Michael's College is dedicated.

The College Chapel is the scene of many Campus activities. Masses are scheduled there according to the convenience of the students and the students in turn participate in the liturgy of these celebrations. Many other College functions have also been held there. Plays, concerts, commencement ceremonies are among them.

The popularity of the Chapel for weddings and baptisms guarantees its place in the memories of other students and graduates. All of this testifies that the religious impulse at Saint Michael's College is very much alive.

Another building on the Main Campus, which deserves mention, is the Holcomb Observatory. This is one of the few astronomical observatories in Vermont and the only one in the Burlington-Winooski area.

The other buildings on the Main Campus and their functions are identified on the following page. Two more buildings, to be situated on the main campus, are now in design and construction. The Vincent C. Ross Sports Center, opened in 1973, provides a gymnasium for intercollegiate competition, a swimming pool and facilities for individual recreation. The McCarthy Fine Arts Center is now in the planning stage.

The North Campus is an area on a discontinued military post that the Federal Government turned over to Saint Michael's College. The North Campus is very pleasant with trees and grassed areas. The department of Modern Lan-



ST. MICHAEL'S COLLEGE—THE MAIN CAMPUS

- | | |
|---------------------------------------|---|
| 1 Klein Student Center | 12 Ryan Hall |
| 2 Jemery Hall (Admissions Office) | 13 Alumni Hall |
| 3 Holcomb Observatory | 14 Lyons Hall |
| 4 Prevel Hall | 15 Durick Library |
| 5 Senior Hall | 16 Health Center |
| 6 Founder's Hall | 17 Athletic Fields and Stadium |
| 7 Cheray Science Hall | 18 Interchange 15—Route I-87 & Vt. Route 15 |
| 8 Chapel of St. Michael the Archangel | 19 Vt. Route 15 to North Campus—1 mile |
| 9 Alliot Hall | 20 Site of new Fine Arts Center |
| 10 Nicolle Hall | 21 Ross Sports Center |
| 11 Joyce Hall | 22 George D. Aiken Mall |

guages and the program for teaching English to International Students are housed in the Dupont Language Center. The Business Administration, Political Science and Psychology departments are located in Sullivan Hall. The Fine Arts and Aerospace Studies departments are located in the Sloane Art Center.

The North Campus is also the site of the Herrouet Theater, which seats about 400 persons. It is now used for lectures and dramatic presentations and will continue to serve some of these purposes even after the completion of the projected Fine Arts Center. The gymnasium on the North Campus is now used mostly for intramural competition and other events.

The functions of the College's other buildings on the North Campus are identified on the accompanying representation.



THE NORTH CAMPUS

- | | |
|---------------------------|---|
| 1 Hamel Hall | 11 Gymnasium |
| 2 Purtill Hall | 12 1415—Buildings and Grounds |
| 3 Dupont Language Center | 13 1410—Computer Center |
| 4 Sloane Art Center | 14 1405—Trades Shop |
| 5 Linnehan Hall | 15 1400—Receiving |
| 6 Building 830—Fire House | 16 Vermont Route 15 to Main (South) Campus—1 mile |
| 7 Sullivan Science Center | |
| 8 Building 905 | |
| 9 Herrouet Theater | |
| 10 Building 907 | |

The Library

The Durick Library was designed to provide comfort for students and an atmosphere conducive to study. It was equipped and furnished with the same purposes in mind. It provides study space for about 600 students and was designed to hold approximately 100,000 volumes. The library collection is now about 60,000 volumes. Within the last two years the library has added the equivalent of some 30,000 volumes in the areas of American Studies and English Literature. This splendid augmentation was possible through the reproduction of these collections on micro-text. Additional collections on micro-text will be added, when suitable, as they become available. Library hours are arranged for the convenience of the students.

STUDENT LIFE

Most of the students at Saint Michael's College live in dormitories which are situated on both campuses. The obvious advantage of residing on campus is proximity to teachers, the library, and the other facilities that the College provides for students. Life in the dormitories can be pleasant but it does require an adjustment. Difficulty in making the adjustment often results in academic problems.

A student having difficulty in adjusting to campus life can receive help from many sources. The resident advisors in his dormitory will counsel him, as will faculty members and administrative officers of the College. The student who needs help can be assured of attention by approaching either the Academic Dean or the Dean of Students. If the student's problem is something that cannot be handled by the personnel mentioned above, he may receive the help that he needs through several other sources. The Office of Counselling and Guidance is one such source. The Director of this office can provide testing and extensive counselling. The Director of Spiritual Affairs and his Assistant also provide such services. Finally, where student health is involved, the medical personnel associated with the College are available to the students.

Life in the dormitories and on campus is governed by the "Student Code," which was developed by a committee composed of faculty, administrators, trustees, and students. This code has been formally approved by the Board of Trustees and is reviewed periodically. Every student receives a copy of the Code. According to the Code the dormitories are divided into Houses, which are the units by which the student government functions. A major advantage of the House system is that it allows students to organize activities and to control areas of their lives. An example is the relationship that some Houses have established with various priests so that confessions are held in the Houses and masses said there. The Houses are also the units by which the Student Government functions.

Students at Saint Michael's College participate in the government of the College in other ways, too. The Student Senate appoints voting representatives to major faculty committees, which act in such matters as Admissions, and Curriculum & Educational Policy. Students also are members of the Standing Committees which report directly to the Board

of Trustees on finance and budget, development, candidates for honorary degrees, and educational policy.

The House system also provides the organization for the intramural athletic program. This features competition in such sports as touch-football, basketball, hockey, and softball. Winning teams and starring individual performances in this program are recognized at an awards banquet held in the spring, at which trophies and prizes are given. Many extra-curricular activities of course have no relation to the House system. The plays that are presented by students in cooperation with the Department of Fine Arts are examples, as are the concerts by the College choral and orchestral groups.

The students also publish a campus newspaper, *The Michaelman*, a literary publication, *The Quest*, and the senior class publishes a yearbook, *The Shield*. These enable students to obtain experience in writing and publishing. Radio Station WSSE-FM provides a similar opportunity for students interested in radio work. The College provides offices and studios for students who work in these projects.

Students at Saint Michael's College may also enjoy the many cultural activities that come to the Burlington area. The college itself sponsors a lecture and concert series which in the last few years featured Max Lerner, Rosellen Brown, R. V. Cassill, Frank Mankiewicz, Maurice Lavanoux and Russell Kirk.

In November of 1972 Saint Michael's College held a symposium on "Law and Society" at which Robert W. Meserve, president of the American Bar Association, was the main speaker. A second symposium, in April of 1973, brought such distinguished Shakespearean scholars as Roy Battenhouse of the University of Indiana to the campus.

The University of Vermont, which is about three miles from Saint Michael's College, also brings many interesting events to Burlington. Their Lane Series alone brings twenty or more artistic performances over the academic year. In the past year concerts by the Chicago Symphony and Claudia Arrau were among them.

Trinity College in Burlington, a Catholic college for women, conducted by the Sisters of Mercy, has a concert and lecture series also.

Many students visit Montreal which has a rich cultural life. And of course, the nearby ski areas afford recreational opportunities for students who have outgrown the College ski slope.

ACCREDITATION AND AFFILIATIONS

Saint Michael's College is accredited by the New England Association of Colleges and Secondary Schools. Courses are approved by the Regents of the University of the State of New York. The College is affiliated with The Catholic University of America and is a member of the National Commission on Accrediting, of the American Association of Colleges, of the American Association of Colleges for Teacher Education, of the American Council on Education, of the National Catholic Educational Association, of the National Conference of Church Related Colleges, and of the College Entrance Examination Board.



APPLICATION FOR ADMISSION

Application for admission must be on the form provided by the College. This form and all information about admission may be obtained by writing to the Director of Admissions.

The completed application form is evaluated by the Director of Admissions and, if there is reason, by the Committee on Admissions. Several factors are taken into consideration in judging the admissibility of applicants. These are the applicant's grades and standing in his graduating class, the recommendations of his counselors and teachers, and his scores on the Scholastic Aptitude Tests administered by the College Entrance Examination Board.

Applicants should have followed a secondary school program including four years of English, three years of mathematics, two years of physical sciences, and two years of social studies. Additional preparation may be required of applicants according to the program of their interest. Those applicants for the concentrations in American Studies, English Literature, Fine Arts, History, Philosophy, Political Science, and Sociology should have completed two years of a modern language.

A fee of \$10.00 is charged for processing an application. This is non-refundable.

Admission to Advanced Standing

Applicants who have earned the A.A. degree at an accredited two-year college will be admitted to Saint Michael's College with junior standing. This means that they may qualify for the Bachelor of Arts after completing 20 single semester courses. They must however meet the distribution requirements and the requirements of the concentration in which they enroll.

Other students seeking to transfer to Saint Michael's College will receive credit for courses which correspond to offerings at Saint Michael's College. Credit may be transferred only for those courses in which the applicant has obtained a grade of C or better. Credits are considered for transfer only if an official transcript of such credits is submitted by

the applicant prior to his admission. A transfer student may be required to pass an examination to determine his readiness to enter a course or program. No advanced standing credits are officially recorded by the Registrar until the transferred student has successfully completed one full year at Saint Michael's College.

All students who transfer from another college must be in residence at least one full academic year immediately preceding their graduation and must earn a minimum of thirty credits at Saint Michael's College.

Further information about advanced standing may be obtained from the Director of Admissions.

Admission of Special Students

Students who are not candidates for degrees may be permitted to enroll for particular courses. They are given no class rating and are not eligible for academic honors. If they enroll for less than 12 credit hours they are charged at the rate of \$65.00 per credit hour. If they take 12 hours or more they are considered full-time students and charged accordingly.



ACADEMIC INFORMATION

Five courses a semester are the normal program. Students taking only four courses a semester are still considered full-time students. Students may take a sixth course, with the permission of the Academic Dean, at a charge of \$35.00 per credit hour.

Sophomores, juniors, and seniors whose quality point average at the end of the previous semester was 3.0 may take a sixth course without charge. This course may be taken on a Pass-Fail basis, providing the student so notifies the instructor at the beginning of the course.

Degree Requirements

To earn the degree of Bachelor of Arts, a student must:

- 1) Complete at least 40 courses, exclusive of freshman and sophomore AFROTC courses, and earn a minimum of 120 credit hours;
- 2) Complete all requirements of one of the degree programs;
- 3) Maintain a quality point average of at least 1.5 in all courses and 2.0 in concentration courses.

Course Determination and Changes

Preregistration. Students arrange their schedules in a pre-registration period (normally in December and again in April) after consultation with their advisors. *For the April preregistration only*, an advance deposit of \$100 is required of each student who preregisters for the following academic year. This must be paid by April 1. No student will be allowed to preregister without certification of payment by the College Treasurer. This deposit is non-refundable unless the Registrar is notified in writing by July 1 that the student who paid it will not return to Saint Michael's College. The deposit is credited to the tuition of students who do return. A late fee of \$25 will be charged to any student not completing pre-registration during the scheduled period in April, in addition to the \$100 deposit.

Registration. Students formally register for courses at the beginning of each semester. (Please see Academic Calendar.) Students who are late in registering at the beginning of a semester will be charged a fee of \$10.

Change of Course or Section. Students may request a change of course or section up to and including registration day of either term without charge or penalty. They may also make such requests after one class meeting during the first week of class, in either term, without charge. All changes made after the first week of classes will be charged a fee of \$5 payable at the time of the request for change. If the change cannot be approved, the fee will be refunded. The last days for course or section changes are two weeks after the first class meeting within a semester.

A student wishing to make a course change should make this request through the Student Information Center. The student is responsible for notifying instructors involved when a course or section change is made.

Class Attendance

Regular class attendance is the responsibility of the student. An instructor has the right to establish specific policies for his class. Instructors will report absences, and failure to attend class regularly may be cause for inquiry by the Dean of Students.

Examinations, Grading System

A formal examination is given in semester courses at the end of each semester. Although the grade on the final examination is averaged with grades earned in class work, it must be a passing grade to be counted at all. Students who fail the final examination fail the course.

Make-up examinations are given to students who are legitimately absent from a final examination. Requests for make-up examinations are made to the Academic Dean. Students who are suspended for disciplinary reasons are not eligible to take examinations or to make them up, unless such permission is given at the time of suspension.

Seniors, in their last semester, may be exempted from final examinations, providing they have a B in the course and the permission of the instructor.

The permanent grade in each course is based upon class work and the final examination. Each instructor determines what weight is to be given to each.

Instructors report grades to the Registrar four times a year. They report final course grades at the end of each semester. They report grades of D and F at mid-semester. The Registrar notifies parents of final grades at the end of each semester and of D and F grades at mid-semester.

Grades are reported and recorded by letters which indicate work of the following quality:

A — Superior	C — Average	F — Failing
B — Above average	D — Passing	

Student averages and rank in class are computed on a quality point basis. In this system:

A = 4	B = 3	C = 2	D = 1	F = 0
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To determine the quality points earned for a particular course, multiply the number equivalent to the letter grade by the credit hours assigned to the course. For credit notations see the descriptions of particular courses starting on page 35 in this catalogue. Thus, an A in Chemistry 105 (4 semester hours) earns 16 quality points (4 quality points \times 4 semester hours).

To arrive at the quality point average, add the quality points for all courses. Then divide this sum by the number of semester hours attempted.

Instructors may also use the following letters in reporting grades: I—Some course assignments have not been completed. This is not a permanent notation.

X—Student was absent from the final examination.
This is not a permanent notation.

WD—Student withdrew from course without penalty.

Notes of I, X and WD are not computed in the student's average. An I must be made up within six weeks of the beginning of the semester following the assignment of the notation. A record containing such notation is not eligible for honors in the semester in which it was incurred. After make-up of an I or X, a new average will be computed and the student's record corrected. If an I or X is not made up the final grade in the course becomes F.

Dean's List, Graduation with Honors

A student who achieves an average of 3.0 at the end of the semester with no grade below B is cited on the Dean's List.

Students who maintain the averages specified below receive their degrees with honors listed: *Cum laude* —3.0
Magna cum laude —3.5 *Summa cum laude* —3.85

Academic Standing

To remain in good standing a student must pass his courses at the rate of at least five per semester. He must also maintain a quality point average of 1.5.

If a student fails one or more courses, he is placed on WARNING and so notified. When a student fails to achieve an average of 1.5 he is placed on PROBATION and so notified. WARNING means that a student must rectify a condition in his record in order to be in good academic standing. PROBATION means that a student is in danger of dismissal for academic failure.

Dismissal, Withdrawal

A student who fails to maintain an average of 1.5 for two successive semesters may be dismissed for academic failure. Before dismissal his record will be considered by an Academic Review Board which will recommend appropriate action to the Academic Dean.

Although the procedure listed above generally applies, Saint Michael's College reserves the right to dismiss, at any time without giving additional reason, students whose conduct or academic standing it judges to be unacceptable. Neither the College, nor the officers, nor Trustees of the College, will be under any liability for such dismissal.

A student who withdraws from Saint Michael's College must complete a withdrawal form and return it to the Student Information Center. Unless he does so, and thereby formally withdraws, there is no remission of tuition and fees.

Change of Regulation

The College reserves the right to make modifications in the degree requirements, courses, schedules, calendar, regulations, fees and charges deemed necessary or conducive to the efficient operation of the College. Such changes become effective from the date they are published in the College bulletins.

PLAN OF STUDIES

The Curriculum

To qualify for the baccalaureate degree a student must complete successfully a minimum of 40 semester courses exclusive of freshman and sophomore AFROTC courses. A qualification to this requirement is that the 40 courses must carry a minimum of 120 credit hours. Since most courses are evaluated at either 3 or 4 credit hours, completion of the 40 courses usually fulfills the credit requirement automatically. Students usually carry 5 courses per semester. *A student carrying 4 courses per semester is considered a full-time student.*

Among the 40 courses:

10 must be taken according to the distribution requirement described below;

10 to 15 must be in concentration, as indicated in the description of individual concentrations;

15 to 20 shall be elected by the student.

Distribution Requirement

A student at Saint Michael's College must take 2 courses (6 credits) from each of the following areas of study. The total distribution requirement is 10 courses (30 credits).

Humanistic Studies

American Studies
Classics
Fine Arts
History
Humanities
English Literature
Modern Language

Natural Science

Astronomy
Chemistry
Biology
Mathematics
Physics

Philosophy

Religious Studies

Social Studies

Business Administration
Economics
Education
Political Science
Psychology
Sociology

A student must take at least 5 of the required courses in his freshman year. Most students will probably take all 10 of the required courses in their freshman year, but this depends upon individual programs.

The purpose of these courses is to introduce students to the concepts and principles of particular disciplines and to provide an opportunity for applying them.

Concentrations

Students may concentrate in the following areas of study: American Studies, Biology, Business Administration, Chemistry, Classics, Economics, English Literature, Fine Arts, History, Mathematics, Modern Languages and Literature, Philosophy, Physics, Political Science, Psychology and Sociology. The requirements of particular concentrations are listed with the departmental course descriptions.

A student may follow a non-standard concentration by combining courses from different departments and programs according to the following regulations:

- He must have the sponsorship of a faculty member who agrees to direct the program;
- He must justify in writing the concentration that he proposes and demonstrate its coherence.

The program must be approved either by the Committee on the Curriculum & Educational Policy or by the Academic Review Board.

Electives

The electives enable students to enrich their programs by taking courses that they have personal reasons for taking, although the courses may not be related to their concentrations. The students are also enabled in this way to support their concentrations by working out other patterns of relevance. Students taking modern languages for particular concentrations will normally take these as electives. Electives are usually chosen in consultation with a departmental advisor.

AIR FORCE RESERVE OFFICER TRAINING CORPS

The Department of Aerospace Studies provides preprofessional preparation for future Air Force officers. The curriculum is designed to develop career-oriented men and women who can apply their liberal arts education and AFROTC experiences to their initial active duty assignments as Air Force commissioned officers. Two AFROTC programs are offered at Saint Michael's College—the four-year curriculum and the two-year program. In addition to a formal course of study each year, both programs include a 30-hour Corps Training program, a 36-hour Flight Instruction Program, social activities, base visits, and cadet honorary society membership for selected cadets.

The **four-year program** encompasses the student's four years at college, and consists of two educational levels: the General Military Course and the Professional Officer Course. Cadets in the four-year program attend a four-week training session at an Air Force base in the summer between the sophomore and junior years.

The **two-year program** is available to students who did not have the opportunity to take the General Military Course in their freshman and sophomore years or did not elect to do so. It is also available to transfer students who will spend a minimum of two years at Saint Michael's College, either in undergraduate or graduate status. Selection for this program is on a competitive basis, with priority given to those students who can qualify for pilot or navigator categories. Those selected will first attend a six-week Field Training session at an Air Force base in the summer between their sophomore and junior years, then enter directly into the Professional Officer Course during their last two years at the College.

Scholarships. Air Force ROTC College Scholarships provide full payment of tuition, laboratory and associated fees, textbooks, and a tax-free payment of \$100.00 per month while the student is in school and on scholarship status. High school students are encouraged to apply for the four-year AFROTC College Scholarships; applications must be sub-

mitted by mid-November in the senior year. Applicants for the two-year AFROTC program and qualified freshmen and sophomores already enrolled in AFROTC at Saint Michael's College are also eligible for the scholarships. Further information and application forms may be obtained by writing to the Department of Aerospace Studies, Saint Michael's College.

Subsistence Pay. All students in the Professional Officer Course receive tax-free subsistence pay of \$100.00 per month.

Flight Instruction Program. In the senior year, cadets who are qualified to become Air Force pilots receive 36 hours of flight instruction in Piper and Cessna aircraft. The flight instruction, given by a civilian flying school, may result in issuance of an FAA Private Pilot Certificate.

Uniforms and all equipment are furnished by the College. Students are responsible for the proper care and cleanliness of uniforms and equipment in their custody.

AFROTC Field Training is offered during the summer months at selected Air Force bases throughout the United States. This is normally a student's first exposure to a working Air Force environment. Here they learn and make use of junior officer training and leadership techniques in close contact with other cadets. Students in the four-year program participate in four weeks of field training during the summer between their sophomore and junior years. Students applying for entry into the two-year program must successfully complete six weeks of field training prior to enrollment in the AFROTC.



EXPENSES, FINANCIAL AID, SCHOLARSHIPS

General Fees

THE FOLLOWING FEES, subject to approval by the College Board of Trustees and subject to change without notification, are required of all full-time students. The amounts shown are for the entire year, half of which is due at the beginning of each semester.

Tuition	\$2,100.00
Room (Double room. Single room \$50 additional)	450.00
Board	650.00
Health	35.00
Student Activities	78.00
	<hr/>
	\$3,313.00

These charges entitle the student to use the facilities of the library, the health center, and the gymnasium. Admission to athletic contests at the College and participation in intramural and intercollegiate athletics is included in the student activities fee. At the request of the Student Senate, \$3 of the student activities fee is allocated to club sports.

The health fee provides for all services of the 24-hour-a-day, seven-day-a-week Health Center, located in Founders Hall.

The College also has available, at a cost of \$35, a hospital-medical-surgical plan which provides up to \$50 a day hospital care, \$500 surgical schedule, and \$300 medical care and many other benefits. At the time of registration at the beginning of the Fall semester, a student will be charged \$35 for this insurance coverage unless he or she has a certificate clearly showing that he or she is insured under another hospital-medical-surgical plan. *Parents are encouraged to check company or personal hospital-medical-surgical plans to see if their son or daughter is covered under the provisions of that plan.*

Special Fees

An application fee of \$10 is charged to all those who submit an application. This fee is not refundable and must be paid before the application is processed.

A laboratory fee of \$20 each semester is charged for each of the courses in laboratory science.

A laboratory fee of \$15 each semester is charged for Modern Language 103-5 and 203-5 courses.

A studio fee, specified in the course descriptions, is charged for some art courses.

Preregistration. Students arrange their schedules in a pre-registration period (normally in December and again in April) after consultation with their advisors. *For the April preregistration only*, an advance deposit of \$100 is required of each student who preregisters for the following academic year. This must be paid by April 1. No student will be allowed to preregister without certification of payment by the College Treasurer. This deposit is non-refundable unless the Registrar is notified in writing by July 1 that the student who paid it will not return to Saint Michael's College. The deposit is credited to the tuition of students who do return. A late fee of \$25 will be charged to any student not completing pre-registration during the scheduled period in April, in addition to the \$100 deposit.

Registration. Students formally register for courses at the beginning of each semester. (Please see Academic Calendar.) Students who are late in registering at the beginning of a semester will be charged a fee of \$10.

Change of Course or Section. Students may request a change of course or section up to and including registration day of either term without charge or penalty. They may also make such requests after one class meeting during the first week of class, in either term, without charge. All changes made after the first week of classes will be charged a fee of \$5 payable at the time of the request for change. If the change cannot be approved, the fee will be refunded. The last days for course or section changes are two weeks after the first class meeting within a semester.

Extra courses carried for credit or as audit by upperclassmen are charged at the rate of \$35 per credit hour.

Special students are charged at the rate of \$65 per credit hour.

A graduation fee of \$30, charged to all seniors, covers the expenses of the diploma, the yearbook picture, and the rental of a cap and gown for the year. This fee is payable even though a graduate does not attend the commencement exercises.

Saint Michael's College has an arrangement with a vendor for laundry and dry cleaning service on campus. There is also a self-service laundry for student use on campus.

The College provides a linen and blanket rental service for students for a nominal fee: \$28 for linen for each academic year; \$10 per blanket for each academic year. Reservations for linen and blankets may be made upon arrival.

Payment of Fees

When a student is accepted for matriculation at Saint Michael's College he will be asked to make a guarantee deposit of \$100 within a specified time after receiving the notice of acceptance. This fee is not refundable but it will be applied to the student's semester accounts at the time of his registration.

All general fees are to be paid in full prior to the beginning of each semester upon receipt of a statement from the Treasurer's Office. Money orders or bank drafts should be made payable to *Saint Michael's College* and sent, preferably by registered mail, directly to the Treasurer.

For those parents who prefer to pay educational expenses in monthly installments, Saint Michael's College has approved the following plans:

1. The Tuition Plan, Inc.
2. College Aid Plan
3. Insured Tuition Payment Plan.

Detailed information concerning these plans is mailed to parents each summer.

Special fees may have to be paid by the student or his parents after registration since many of the fees are determined only at registration.

With regard to the payment of fees the following regulations should be carefully noted:

1. No reduction in semester fees is made on account of the late entrance of a student.
2. Unless a student's accounts have been settled as indicated above, he will not be allowed to register in September or to continue in the second semester.
3. All accounts are due and payable at the beginning of each semester. Failure to make payment at that time will mean that the student will not be allowed to register or remain at the college. In certain cases, special arrangements may be made with the Treasurer's Office for late payment. Failure of compliance with such arrangements will result in dismissal of the student.
4. If a student leaves the College for any reason without having

settled all his accounts, any request for transcripts, reports of grades, information concerning academic or disciplinary standing, et cetera, will not be honored by the College. Likewise, diplomas of graduating seniors will not be released until accounts have been fully settled.

- 5. No remission of fees will be made to students who are dismissed for disciplinary reasons or who withdraw unofficially.
- 6. Any scholarship awarded by the College, or over which the College exercises control, such as National Defense Loan funds, is credited to the student's account equally over both semesters. If a student is awarded \$400 for example, \$200 will go towards the payment of the first semester fees and \$200 towards the second semester fees.
- 7. Unless a student has already paid his accounts in full any money earned under the student aid program is credited to his account.

Remission of Fees

The College fees are determined in large part on the basis of expected student enrollment. When a student is granted admission, therefore, it is expected that he will remain in session throughout the year. It is recognized, however, that unforeseen events, such as sickness or a call to military service, may make it necessary for a student to withdraw prior to the end of a term. In such cases the College remits the tuition, room and board according to the following scale:

Withdrawal within two weeks of the opening date of any term	75%
Withdrawal in the third week after the opening date	60%
Withdrawal in the fourth week after the opening date	40%
Withdrawal in the fifth week after the opening date	20%
Withdrawal after the fifth week	0%

Health and student activity fees will not be refunded.

FINANCIAL AID

Saint Michael's College gives *all* students an equal opportunity for financial aid, regardless of race, color, religion, age, sex, or national origin.

While Saint Michael's College subscribes to the philosophy that the primary responsibility of meeting costs of a college education rests with the parents of students, it also realizes that under present economic conditions there are families who do not have available means to send their children to a private college. In recognition of this fact, Saint Michael's College uses every possible means to bridge the gap that may exist between family resources and college expenditures.

Financial aid, consisting of scholarships, grants, loans, and work opportunities, is granted to students who cannot provide the full cost of a college education through their own and their families' reasonable efforts. The primary purpose of financial aid is to provide assistance to students who, without such aid, would be unable to attend college.

The family of a student is expected to make a maximum effort to assist the student with college expenses and any assistance should be viewed only as supplementary to the efforts of the family.

In determining the extent of a student's financial need, Saint Michael's College takes into account the support which may be expected from the income, assets, and other resources of the parents and students. Also taken into consideration are factors that affect a family's financial strength, such as: current income, number of dependents, other educational expenses, debts, retirement needs or unusual circumstances.

Students awarded financial aid will continue to receive aid through their undergraduate years at Saint Michael's College as long as their academic and personal records are satisfactory and their need continues. The exact amount of need is determined each year on the basis of the PARENTS' CONFIDENTIAL STATEMENT or the ACT Family Financial Aid Report submitted by candidates and their parents.

Saint Michael's College Grants-in-Aid are awarded to students who have financial need and a good academic record.

Educational Opportunity Grants are sponsored by the Federal Government and are administered by Saint Michael's College. Educational Opportunity Grants are awarded to students showing exceptional financial need, and are renewable each year under normal circumstances. In no instance may an Educational Opportunity Grant exceed 50% of the total aid granted.

Loans

National Direct Student Loans are an important financial aid resource available to students who need help and who are willing to pay for part of their current education with their future earnings. Loans may be granted to provide supplementary assistance to students receiving other forms of aid, or to help students with genuine need where scholarship and grant funds are not available. While a student is en-

rolled in at least one half of the normal academic workload no interest is paid on his loan and no repayments are expected.

Repayment begins not earlier than nine months, nor later than one year, after graduation. The loans bear interest at the rate of three percent per year on the unpaid balance. Repayment may be deferred up to a total of three years while a student borrower is serving in the Armed Forces, Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic workload.

Title V, Section 501 (a) of the "Elementary and Secondary Education Act Amendments of 1969" amends Section 205(b) (3) of the National Defense Education Act of 1958 to extend the existing authority for cancellation of student loan for teaching service as contained in the National Defense Education Act of 1958 to include cancellation for service in the Armed Forces. Such cancellation will apply *only to loans made after April 13, 1970*, for military service performed after June 30, 1970. Cancellation will be at the rate of 12½ per centum of the total amount of such loan(s) (plus interest) for each year of consecutive military service (not to exceed 50 percent of the total loan).

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be cancelled at the rate of ten percent per year for each year of teaching service. Borrowers who elect to teach in certain eligible schools located in areas of primarily low-income families, may qualify for cancellation of their entire obligation at the rate of fifteen percent per year. Teachers of disadvantaged or handicapped children may also qualify for the fifteen percent cancellation.

Application Procedure

Entering Freshmen

1. File an application for admission with the Director of Admissions. Complete the Financial Aid application attached to your admission application and return the completed Financial Aid Application to the Director of Student Financial Aid no later than February 15.
2. Obtain from your high school guidance office a copy of the PARENTS' CONFIDENTIAL STATEMENT, which is prepared by the College Scholarship Service (P.O. Box 176, Princeton, N.J. 08540), or the ACT FAMILY FINAN-

CIAL AID REPORT, which is prepared by the American College Testing Program (P.O. Box 1000, Iowa City, Iowa 52240). VERMONTERS MUST FILE THE ACT FAMILY FINANCIAL AID REPORT, ONLY.

Upperclassmen

1. The applicant should obtain a Financial Aid Application and either a Parents' Confidential Statement or an ACT Family Financial Aid Report from the Financial Aid Office; forms will be available prior to Thanksgiving vacation. This procedure must be followed for each year you wish to be considered for aid assistance.
2. Application should be completed by the applicant and his family and submitted to the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540 or the American College Testing Program, Financial Aid Operations, P.O. Box 1000, Iowa City, Iowa 52240 not later than February 15.

Grants

Grants are awarded to students who without such assistance would be unable to attend Saint Michael's College. The basic requirement for consideration is financial need.

Part-time Student Employment

The College Work-Study Program provides part-time employment on campus for students who are in need of earnings from such employment to pursue a course of study at Saint Michael's College.

Off-Campus Employment is available through the cooperation of many business organizations in the Burlington area.

Saint Michael's College discourages freshmen from accepting off-campus employment.

Special Awards

Special awards are administered by Saint Michael's College and awarded in accordance with the conditions set forth for each program.

AFROTC College Scholarship Program

Established under Public Law in 1964, this program awards scholarships to selected students each year. Male high school seniors and students already enrolled in AFROTC at Saint Michael's College are eligible. The scholarships include full tuition, books, fees, supplies, equipment, and tax-free sub-

sistence pay of \$100.00 per month. High school seniors must submit applications by mid-November. Information and application forms may be obtained from the Department of Aerospace Studies at Saint Michael's College.

Family Discount Plan

Family discounts are awarded when two or more children of the same family are simultaneously enrolled during a given semester in the undergraduate program. The second child will receive a \$375 grant for each semester a brother or sister is enrolled. If the first child is receiving full financial assistance in grant funds the second child will not be eligible for the family discount plan.

Athletic Awards

The names of possible recipients will be submitted to the Financial Aid Committee by the Director of Athletics. The Financial Aid Office will inform the student of his award and of the regulations set forth in the constitution of the National Collegiate Athletic Association. The Financial Aid Committee will be notified of the budget for athletics.

Endowed Scholarships

Scholarships of varying amounts will be awarded to students who meet the requirements of the scholarship as set forth by the contributor.

THE REVEREND C. E. PROVOST SCHOLARSHIP is awarded to a deserving student of the Sacred Heart Parish of Burlington, Vermont. This scholarship, founded in 1918, provides income on \$5,000.

THE REVEREND NORBERT PROULX SCHOLARSHIP is awarded to a deserving student of St. Joseph Parish of Burlington, Vermont, or of Immaculate Heart of Mary Parish of Rutland, Vermont, or of Sacred Heart of Jesus Parish of West Rutland, Vermont, or of Our Lady Star of the Sea Parish of Newport, Vermont. This scholarship, founded in 1922, provides income on \$5,000.

Two scholarships have been established by the Reverend J. F. Audet. The first, founded in 1906, provides income on \$500 and is awarded to a needy candidate of St. Francis Parish of Winooski, Vermont. The second, founded in 1917,

provides income on \$2,500 and is awarded to one or more deserving students of St. Francis Parish of Winooski, Vermont.

THE CATHOLIC ORDER OF FORESTERS SCHOLARSHIP is awarded to a student of Vermont, preferably a Forester's son, who is a candidate for the priesthood. This scholarship founded in 1914 by the State Court, Catholic Order of Foresters, is good for two years at St. Michael's College and provides a stipend of \$300 per year. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

THE MARY R. DERWAY SCHOLARSHIP FUND is used as a tuition scholarship or scholarships for progressive students, who are otherwise financially unable to attend college. Preference is given to young men aspiring to the priesthood, who, in the judgment of the Committee on Scholarships, are considered most worthy of such assistance. The scholarship, founded in 1952, provides income on \$15,000.

THE MONSIGNOR W. J. CAIN and PAUL CAIN MEMORIAL SCHOLARSHIP is awarded to a needy student resident of the State of Vermont. It provides income on \$4,500. The applicant should contact the committee on scholarships and student aid.

THE KNIGHTS OF COLUMBUS SCHOLARSHIP is awarded to a young man who feels called to the priesthood. This scholarship was founded in 1929 and is provided by the Vermont State Council. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

THE THOMAS J. and MARIE W. BURKE SCHOLARSHIP FUND is awarded every year, first, to an American Negro from a southern state or, for lack of such a candidate, to any student of promise who would not otherwise be able to benefit from a college education. This scholarship, founded in 1962, provides income on \$22,000.

The KINSELLA MEMORIAL SCHOLARSHIP is awarded to a student from St. Peter Parish of Rutland, Vermont, who wishes to prepare for the priesthood. This scholarship, founded in 1935, provides income on \$2,000.

THE DAUGHTERS OF ISABELLA SCHOLARSHIP provides a stipend of \$250. It is awarded each year to a deserving and needy student from Vermont.

The Right Reverend James D. Shannon Scholarship is awarded to freshman and sophomore students studying for the priesthood, who are members of the following Vermont parishes: St. John the Baptist of Enosburg Falls; St. Patrick of Fairfield; St. Thomas of Underhill Center; St. Mary of Middlebury; St. Charles of Bellows Falls; St. Francis de Sales of Bennington. Preference is given in the order of the parishes named. The pastors of the above named parishes must recommend the beneficiaries of this scholarship. The selection of the candidate rests in the first instance with the Bishop of Burlington. If the Bishop makes no selection, the Committee on Scholarships chooses the candidate. This scholarship, founded in 1936, provides income on \$6,500.

State Student Assistance Programs

State scholarships, grants and loans are increasing each year for undergraduate studies. Students are encouraged to apply for such assistance and are supported in their applications by Saint Michael's College. Applications and brochures are available from your high school guidance counselor or Financial Aid Office.

Scholarships and grants vary greatly in each state; however, the guaranteed loan programs are basically the same. Generally the following regulations have been adopted by each state:

1. To be eligible, a student must be a United States Citizen or a foreign national who intends to become a citizen. The applicant must be accepted or enrolled at Saint Michael's College.
2. Funds are made available by banks, credit unions, or savings and loan associations of your choice which are participating in the student loan program in your state.
3. The amount a student may borrow depends upon state statutes; usually maximum limits are \$1,000 or \$1,500 per school year for undergraduate studies.
4. If your adjusted family income is less than \$15,000 interest will be paid by the government while the applicant is at least a half-time student.
5. Repayment begins nine months after graduation or when a student ceases to carry at least one-half the normal academic workload. There are provisions for deferment while attending graduate school or serving in the Armed Forces.

COURSES OF INSTRUCTION

DEPARTMENT OF AEROSPACE STUDIES

The GENERAL MILITARY COURSE comprises the first two years of the four-year AFROTC curriculum. The course examines the role of United States Military Forces in the contemporary world, with particular attention to the United States Air Force, its organization and mission. The functions of strategic offensive and defensive forces, general purpose, and aerospace support forces are covered. The roles of these forces are related to national defense policy, including organization and role of the military instrument of national policy, general and limited war, alliances, and the strategies and policies of the Soviet Union and China. The course concludes with a review of the making of defense policy and the contribution of United States defense policies to national objectives.

101-103 UNITED STATES MILITARY FORCES IN CONTEMPORARY WORLD, I

(Freshmen in Four-year Program) *Two semesters*

A full-year study of the doctrine, mission, and organization of the United States Air Force; United States strategic offensive and defensive forces: their mission and functions; employment of nuclear weapons; aerospace defense; missile defense; United States general purpose and aerospace support forces; the mission, resources, and operation of tactical air forces, with special attention to limited war; review of Army, Navy, and Marine general purpose forces.

One class hour each week. One Corps Training hour each week. One credit each semester.

201-203 DEVELOPMENT OF AIR POWER

(Sophomores in Four-year Program) *Two semesters*

This full-year course continues the study of world military forces and shows how and where the military instrument of national power fits into American foreign policy. It includes a study of the defense organization, organization and functions of the Department of Defense, and the role of the military in United

States national policies; theories of general war; nature and context of limited war; Soviet strategies and policies; Chinese strategies and policies; role of alliances in United States defense policies; the elements and processes in the making of defense policy.

One class hour each week. One Corps Training hour each week. One credit each semester.

The PROFESSIONAL OFFICER COURSE, taken during the cadet's junior and senior years, concentrates on three main themes: aerospace power and space operations, the concepts and practices of leadership, and the concepts and practice of management, especially as related to the United States Air Force.

301-303 NATIONAL SECURITY FORCES, I & II

Two semesters

This is a full year course devoted to a critical analysis of the development of air power and aerospace power. This includes doctrine, technology, organization, and the utilization of manned and unmanned aircraft and space vehicles. It continues with the study of the evolution and the evaluation of United States space programs; reviews the main characteristics of the solar system, important to space operations, types of orbits and trajectories; and examines current and planned capabilities for space operations. It concludes with an extensive study of operating principles, characteristics, and problems associated with all major components of space exploration systems.

Three class hours each week. One Corps Training hour each week. Three credits each semester.

401 THE PROFESSIONAL OFFICER, I

Fall semester

This course deals with the theory and application of general concepts of leadership to Air Force situations. Group discussions, case studies, and role playing as teaching devices will be employed. Oral and written reports will be expected. This course also includes a review of the Military Justice System.

Three class hours each week. One Corps Training hour each week. Three credits.

403 THE PROFESSIONAL OFFICER, II

Spring semester

This course studies the general theory and practice of management with special reference to the Air Force. The student will be

introduced to information systems, quantitative approaches to decision making, and resource control techniques used by successful Air Force managers. Participation in problem-situation exercises and field trips, and oral and written student reports will be expected.

*Three class hours each week. One Corps Training hour each week. **Three credits.***

The CORPS TRAINING COURSE is a 120-hour course taken throughout the student's four years of enrollment in the Air Force Reserve Officer Training Corps, i.e., 60 hours in the General Military Course and 60 hours in the Professional Officer Course. Two-year program students participate in the latter only. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. The course involves a study of Air Force customs and courtesies; drill and ceremonies; career opportunities in the Air Force; and the life and work of an Air Force junior officer. Students develop their leadership potential in a practical, supervised training laboratory, which typically includes field trips to Air Force installations throughout the United States.

DEPARTMENT OF BIOLOGY

The concentration in Biology introduces the student to the major core areas of biological knowledge. A general and special program of courses provides the necessary background preparation for application to medical and dental school, as well as other careers in the health professions. The student is also prepared for careers in teaching, research and job opportunities in industry and government for which biological science is a requirement.

Both programs require a semester of the Independent Reading Tutorial during the Sophomore year. In the Senior year, a comprehensive paper based on the biological literature must be satisfactorily presented to the Biology Faculty as part of the degree requirement of the general program. The student in the special program is given the opportunity to do an original laboratory or field research project during the

Senior year. The results must be satisfactorily presented in a written and oral report as part of the degree requirement.

The Biology concentration requires 40 semester courses for completion of the degree program. The decision as to which program, general or special, the student may follow will be made in consultation with the Biology Faculty advisor at the end of the Freshman year.

Required courses for the concentration in Biology

*Biology 101-103**; *205***; *301*; *321*; *323*; *410 (2 semesters)*;
420 (Special Program; 2 semesters)

Chemistry 105-107; *201-203*

Mathematics 101-103; OR *105-107 (more advanced)*

*Physics 210-212****

** Required of all Biology concentrators except those who have satisfied Advanced Placement Program.*

*** All students must take one semester of the Independent Reading Tutorial. Transfer students must write a paper using the biological literature, thereby demonstrating their ability to use effectively the sources of biological knowledge or take Biology 205.*

**** Physics 210-212 is required for students in the Biology concentration planning to apply to medical or dental school. It is not REQUIRED but strongly RECOMMENDED for all others.*

Elective Biology Courses: Animal and Plant Biology

The student must complete any three courses in Animal Biology:
Biology 213; *307*; *341*; *345**; *409*

The student must complete any two courses in Plant Biology:
Biology 345; *405*; *407*

** Biology 345 may be used as an elective in either Animal or Plant Biology, not both.*

Summary of Course Requirements for a B.A. degree with a Concentration in Biology:

13 courses in Biology

6 to 8 courses in Chemistry, Physics and Mathematics

8 courses in Distribution requirement (2 Humanistic studies;

2 Philosophy; 2 Religious Studies; 2 Social Studies)

11 to 13 elective courses in any field

40 courses required for the degree plus Comprehensive Paper or Independent Laboratory Research

Individualized Program

The Biology Department offers the possibility of planning an individualized program which may meet the minimum requirements for teacher education or professional schools. The degree

program would not be a Biology concentration, but biology, physical science and mathematics would constitute a minor. Students interested should consult the department chairman.

100 CONTEMPORARY BIOLOGY *Fall and Spring semesters*

A comprehensive consideration of the contributions of biological science to the understanding and interpretation of some of the major problems confronting mankind; problems considered are:

1. The Nature of Human Inheritance; Reproduction; Growth and Development.
2. Human Origins? The Evolution Problem.
3. The Problem of Race: Biological Facts and Cultural Issues.
4. Biological Aspects of Human Behavior.
5. Human Sexuality: Biological and Psychological Aspects of the Problem.
6. Human Nutrition: Food and Diet.
7. The Nature of Disease.
8. The Human Population: Biological Aspects of Its Growth and Control.

Three lectures each week. Three credits.

101-103 GENERAL BIOLOGY *Two semesters*

A comprehensive consideration of the structural and functional organization of plants and animals and the interrelationships of these organisms with one another and with the environment. The Spring semester provides an introduction to molecular and cellular biology, genetics, development, and evolutionary theory.

The laboratory is designed to provide the student with fundamental experience in developing methods of biological observation and experimentation.

Prerequisite: Biology 101 for 103.

Lectures and a laboratory each week. Four credits each semester.

205 INDEPENDENT READING TUTORIAL *Fall and Spring semesters*

Reading, writing and discussion in which the student learns to explore the fundamental sources of biological knowledge; the student may extend his study in any area of basic biological concepts that was considered during the general course and may explore biological problems towards which interest is motivated. A close learning rapport is provided between the student and teacher.

Limited to Biology concentrators.

Group discussions and personal consultations. Three credits.

206 FIELD BIOLOGY

Fall semester

The study of various habitats by the collection, preservation and identification of representative plants and animals; methods of specimen preparation.

Limited enrollment; preference to those concentrators that plan teaching careers.

Prerequisite: Biology 101-103.

*Six hours of field and laboratory. **Three credits.***

208 SPECIAL TOPICS IN BIOLOGY

Spring semester

A one semester program designed to make available to a small group the opportunity to study in an area of special interest under the guidance of an individual Biology Faculty member. Topics investigated would not ordinarily be covered in other formal course offerings. *The students planning for this course must have a definite project or topic for study approved by a faculty member before registration. Limited to Biology concentrators.*

*Three hours each week. **Three credits.***

213 PRINCIPLES OF ANIMAL NUTRITION

Fall semester

Lectures on the chemistry and physiology of nutritive requirements for growth, maintenance and other body functions. Other topics will include digestion, absorption, transport, and metabolism of nutrients.

*Three hours each week. **Three credits.***

301 CELL BIOCHEMISTRY

Fall semester

An introduction to the molecular basis of structure and function in living organisms. The current concepts of energy production and major biosynthetic pathways are explained and evaluated. The laboratory employs fundamental qualitative and quantitative methods used in the study of biomolecules. The interpretation and significance of experimental data is stressed.

Prerequisite: Chemistry 201-203.

*Lectures and a laboratory each week. **Four credits.***

307 VERTEBRATE BIOLOGY

Spring semester

A comprehensive treatment of the comparative gross anatomy of selected types of vertebrates and their evolutionary relationship. A detailed study is made of vertebrate micro-anatomy and the physiology of certain tissues and organs. The laboratory

stresses a detailed dissection of a representative of the vertebrate classes along with a microscopic study of mammalian tissues and organs.

*Lectures and a laboratory each week. **Four credits.***

321 ECOLOGY

Fall semester

The study of the responses of animals and communities to environmental change. Concepts on physical and biotic factors and their effects on the abundance and distribution of animals are considered, as are principles of population structure, growth and energy flows in communities. Laboratories stress surveys of local habitats and standard techniques of ecological research.

*Lectures and a laboratory each week. **Four credits.***

323 GENETICS

Spring semester

An in-depth introduction to basic Mendelian and non-Mendelian genetics as well as molecular and population genetics. Laboratory experience will include problem analysis in *Drosophila* and experiments utilizing bacteria.

Prerequisite: Biology 301.

*Lectures and a laboratory each week. **Four credits.***

341 ANIMAL BEHAVIOR

Spring semester

Current theories on animal behavior in vertebrates and invertebrates. Emphasis on the works of Lorenz, Von Frisch, their followers and opponents. Topics will include behavior mechanisms in aggression, migration, orientation, mimicry and other fields of animal behavior.

*Lectures and a laboratory each week. **Four credits.***

345 GROWTH AND DEVELOPMENT

Fall semester

Selected aspects of animal and plant growth and development. Lecture material considers the topics of developmental sequences, cellular differentiation, genetic regulation, mammalian development, and aspects of hormonal control of differentiation.

Prerequisite: Junior Standing.

*Lectures and Independent Study Laboratory. **Four credits.***

405 MICROBIOLOGY

Fall semester

A study of the structure, development, growth, and integration of organisms classified as bacteria, algae, and fungi; also the viruses. Lectures and laboratory work on techniques, physiology, and immunology.

Corequisite: Biology 301.

*Lectures and a laboratory each week. **Four credits.***

407 PLANT PHYSIOLOGY

Spring semester

A study of the functions of plants, of bio-organization from the subcellular to the organism, showing the integration of cells, tissue systems, and the plant body. Lecture and laboratory experience in different aspects of the physiology of the living plant. *Biochemistry is desirable.*

Lectures and a laboratory each week. Four credits.

409 COMPARATIVE ANIMAL PHYSIOLOGY

Spring semester

A comparative study of physiological systems in invertebrate and vertebrate animals. The structural and functional evolution of each of the major systems is discussed.

Prerequisite: Junior Standing.

Lectures and Independent Study Laboratory. Four credits.

410 BIOLOGY SEMINAR

Two semesters

During the Fall semester the seminar topics are directed toward consideration of the environmental, paleontological and contemporary evidences for evolutionary theory. The Spring term seminars are open to special topics presented by the participants. The significant experimental data and their interpretation in relation to the problem investigated are emphasized. Group discussion is keynoted.

Two hours each week. Three credits each semester.

420 SENIOR RESEARCH

Two semesters

The Senior student in the special program is required to write a proposal for conducting an experimental or investigative problem under the direction of a member of the Biology Faculty and to do this problem in the laboratory or field. The results must be reported in written form and presented in a seminar.

Three credits each semester.

DEPARTMENT OF BUSINESS AND ECONOMICS

The department offers two concentrations; one in Economics, the other in Business. The Business concentration courses are listed below. Economics concentration courses follow this listing.

The Concentration In Business Administration

The concentration in Business Administration is designed to develop an awareness of the structure of the business firm and an exposure to the decision-making processes of the management function. Students are prepared to accept administrative positions in business and industry, government, and other profit and non-profit making firms, or to enter an advanced degree program.

Required courses: Business 105-107, 201-203, 207, 208, 303, 305, 315-317, 410; Economics 101-103; business reading lists; comprehensive examination.

Business Administration

101 INTRODUCTION TO BUSINESS

Fall and Spring semesters

Designed to provide a general overview of the business world and its interrelationships between groups and departments within a firm and between a firm and its outside environments; to stimulate an interest in and initiate an awareness of this important dynamic force in present-day society.

Not open to Business Administration concentrators.

*Three class hours each week. **Three credits.***

105-107 MATHEMATICS FOR MANAGEMENT

Two semesters

A consideration of the mathematical tools found useful in business decision making. Topics include set theory, probability theory, matrix algebra, game theory, and an introduction to the calculus.

*Three class hours each week. **Three credits each semester.***

201-203 INTRODUCTORY ACCOUNTING *Two semesters*

Accounting as an important aid to management. Much time is devoted to demonstrating how accounting data can be used to assist in decision making and control. Business transactions are analyzed and recorded in order to assemble financial data, which is then interpreted for management.

Three class hours each week. Three credits each semester.

207 STATISTICS *Fall and Spring semesters*

Elementary theory and techniques of statistical inference. Enumerative and analytical studies; acceptance sampling and problems in testing and estimation.

Prerequisite: Business 105-107.

Three class hours each week. Three credits.

208 BUSINESS LAW *Fall and Spring semesters*

The fundamentals of the law of contracts, sales, negotiable instruments, partnerships, and corporations.

Three class hours each week. Three credits.

303 INDUSTRIAL MANAGEMENT *Fall semester*

A study of the important activities of manufacturing management, including production control, quality control, time and motion study, and human relations.

Three class hours each week. Three credits.

305 MARKETING *Spring semester*

Marketing structure, marketing principles, physical distribution, and advertising psychology are studied. The quantitative approach to the case method is used with emphasis on the social aspects of marketing.

Three class hours each week. Three credits.

311-313 INTRODUCTION TO ELECTRONIC DATA
PROCESSING *Two semesters*

This course acquaints the students with the general concepts of computers and includes a description of the organization of electronic data processing systems as well as the fundamentals of programming.

Three class hours each week. Three credits each semester.

315-317 FINANCIAL POLICIES OF CORPORATIONS

Two semesters

Methods and problems of financial management. Capital budgeting, methods of financing, asset management, corporate expansion and contraction, and the fundamentals of financial analysis are considered.

Prerequisites: Business 105-107, 207, 201-203.

Three class hours each week. Three credits each semester.

319 BUSINESS COMMUNICATIONS

Fall and Spring semesters

Theory and practice in all matters pertaining to the Business Report; style, accuracy, readability, use of illustrations, and other areas are covered.

Three class hours each week. Three credits.

321 PERSONNEL ADMINISTRATION

Fall semester

The field of personnel administration: organization of personnel, recruiting, selection, training of employees, job analysis with respect to organization, salary and wage administration, promotion, demotion, incentives and morale.

Three class hours each week. Three credits.

325 PRINCIPLES OF SALESMANSHIP

Spring semester

The requirements of the salesman in today's competitive world from a consumer-oriented approach. Special emphasis is given to the psychological and behavioral considerations of selling.

Three class hours each week. Three credits.

329 SALES MANAGEMENT

Spring semester

Through case studies attention is focused on the dynamic area of sales strategy as it is planned, implemented, and controlled in business.

Three class hours each week. Three credits.

331 INDUSTRIAL RELATIONS

Spring semester

Relations of scientific management to labor: requisites of labor and management, community relations, unemployment, worker health and safety, trade unionism, unemployment compensation, social security, workmen's compensation, fair employment practice laws, audits.

Three class hours each week. Three credits.

401 MANAGERIAL COST ANALYSIS

Fall semester

Focuses on four essential aspects of reporting accounting data for management: cost determination; cost control; performance evaluation; and financial information for planning and special decisions. The mechanical aspects of Cost Accounting are not stressed, but the determination of accounting data for purposes of decision-making, control and evaluation is the primary concern. Highly recommended for those interested in management.

Prerequisite: Business 201-203.

Three class hours each week. Three credits.

405 PRINCIPLES OF ADVERTISING

Fall semester

A broad study of advertising including its planning, creation, and use. The course reviews all media operations and attempts to lead the student through as much practical application as possible.

Three class hours each week. Three credits.

407-409 ADVANCED ACCOUNTING

Two semesters

An advanced course in accounting theory and practice: complex problems of accounting for partnerships and corporations; problems connected with the valuation of all asset, liability, and net worth accounts; the analysis of statements; and other topics of an advanced nature.

Prerequisite: Business 201-203.

Three class hours each week. Three credits each semester.

410 COORDINATING SEMINAR IN BUSINESS

Two semesters

A consideration of the problems and responsibilities of business in the modern world. Political, social, economic, and ethical questions are discussed. *Reserved for concentrators.*

Prerequisites: Business 110, 210, 310.

Three class hours each week. Three credits each semester.

411 INVESTMENTS

Fall semester

Various types of securities and the markets in which they are traded are described.

Three class hours each week. Three credits.

413 INVESTMENT MANAGEMENT

Spring semester

The fundamentals of investment analysis and the technical aspects of the securities markets are presented. Some problems in-

volved in the creating and managing of investment portfolios are also considered.

Prerequisite: Business 411.

Three class hours each week. Three credits.

415-417 TAX ACCOUNTING

Two semesters

Accounting for Federal Income Tax purposes, with concentration on the Internal Revenue Code and recent changes. Tax returns for individuals, corporations, estates and trusts are stressed with attention given to various information returns.

Three class hours each week. Three credits each semester.

421 ADMINISTRATIVE PRACTICES

Spring semester

A course in management problems. Large, medium, and small businesses; corporations, partnerships, and proprietorships will be considered.

Prerequisites: Business 303, Business 315.

Three class hours each week. Three credits.

423 MARKETING STRATEGY

Spring semester

A study of actual cases in the field of marketing to test the student's application of principles learned in the basic marketing course.

Prerequisite: Business 305.

Three class hours each week. Three credits.

431-433 ADVANCED DATA PROCESSING I and II

Two semesters

Advanced data processing techniques and independent study.

Prerequisite: Business 311-313 or consent of instructor.

Three class hours each week. Three credits each semester.

The Concentration In Economics

The concentration in Economics is designed to provide an understanding of economic theory and economic institutions and to apply this knowledge to the analysis of economic problems and policies.

The program is deliberately flexible in order to provide for the broad range of interests found among concentrators: Training for careers in business or industry, preparation for graduate school in economics, general academic training preparatory to attending law school, or simply an interest in social studies with a particular focus on economic problems. Following a core consisting of principles of economics and elementary statistics, the economics major works closely with a member of the department in an effort to plan a sequence of courses consistent with that student's interest. The Coordinating Seminar in Economics calls upon the student to use his training by pursuing topics of his own choice and discussing the research and results with his peers and professors in weekly seminar meetings.

Courses numbered 300 and 400 are open to both concentrators and nonconcentrators. For concentrators it is assumed they have completed Economics 101-103 as well as Economics 205 prior to enrolling in a 300 or 400 level course. Nonconcentrators interested in these courses are admitted by permission of the professor.

Required of concentrators: Economics 101-103, Economics 205, Economics 410 and 6 elective courses in Economics.

Economics

101-103 PRINCIPLES OF ECONOMICS *Two semesters*

This sequence introduces the student to economic theory and economic institutions. The tools of theory as well as the characteristics of economic institutions are used for the analysis of economic problems and policies in such areas as international trade, public finance, economic history, natural resources, underdeveloped economies, money and banking.

Three class hours each week. Three credits each semester.

107 ELEMENTS OF ECONOMICS *Fall and Spring semesters*

An introductory study of basic economic institutions and selected economic problems. The elementary principles of economic theory are developed and applied to the analysis of selected problems.

Not open to concentrators in Economics or Business Administration.

Three class hours each week. Three credits.

205 STATISTICS FOR ECONOMISTS *Fall semester*

The development of elementary statistical theory with applications to selected problems in economics. Emphasis tends to be on probability theory, classical hypothesis testing and regression analysis.

Three class hours each week. Three credits.

207 MATHEMATICS FOR ECONOMISTS *Spring semester*

An introductory development of basic areas of mathematics as they are applied in economic analysis. Emphasis is given to calculus or matrix algebra during alternative offerings.

Three class hours each week. Three credits.

301 HISTORY OF ECONOMIC THOUGHT *Fall semester*

This course surveys the major schools of economic thought and the principal contributions to economic theory from Aristotle to the present. Particular emphasis is given to the period beginning with Adam Smith's *Wealth of Nations*.

Three class hours each week. Three credits.

303 ECONOMIC HISTORY OF THE UNITED STATES

Spring semester

The course concentrates on the long-run determinants of economic growth in U. S. History from the Colonial Period to WW II. Following an overview of the record of U. S. growth before and after 1840, the focus is on four major topics and the role of each in explaining the course of economic development in U. S. History: Resources, Natural and Human; Technology and Capital Formation; Industries and Activities in the Production Process; and Organization for Economic Life.

Three class hours each week. Three credits.

311 MACROECONOMIC THEORY *Fall semester*

Concentrated study of economic theory at the "macro" level: e.g., the examination of consumer behavior, investment expendi-

tures, government taxes and expenditures, etc. with a view toward providing a consistent model of income determination. Among the topics examined with this model are fiscal versus monetary policy, balance of payment deficits, growth of an economy through time, inflation, unemployment.

Three class hours each week. Three credits.

312 MICROECONOMIC THEORY

Spring semester

Concentrated study of economic theory at the "micro" level: e.g., the development of demand theory beginning with the individual consumer, the determination of optimal or profit maximizing output levels for the individual firm and industry, the determination of the rate of return to the individual input to production. The course materials lead to a consideration of welfare propositions in economics as well as a view of the system as a whole through general equilibrium analysis.

Three class hours each week. Three credits.

315 COMPARATIVE ECONOMIC SYSTEMS

Fall semester

Comparison of major contemporary economic systems such as Capitalism, Communism, and Democratic Socialism. Focus is on the manner in which the alternative systems handle the basic economic problems and needs of contemporary societies.

Three class hours each week. Three credits.

317 INTERNATIONAL ECONOMICS

Spring semester

The course is divided into two sections, the first dealing with the theory of international trade and the second with international finance. Trade theory is designed to explain the flow of factors of production and goods between nation states while international finance deals with financial flows between nations. Both aspects are integrated in the balance of payments materials. The gold outflow of the 60's, international payments systems, freely fluctuating versus fixed exchange rate systems and financial aid to underdeveloped countries are among the topics considered in the course.

Three class hours each week. Three credits.

321 ECONOMIC DEVELOPMENT

Fall semester

Concentrated study of the theories and empirical evidence concerning the problems of economic development in underdeveloped economies. Alternative theories of economic development are ex-

amined by use of case studies; e.g. problems of inflation in Chile, balanced versus unbalanced growth in India, government schemes for redistribution of capital in Japan.

Three class hours each week. Three credits.

323 BUSINESS CYCLES AND ECONOMIC FORECASTING

Spring semester

Fluctuations in national income, output and employment are examined from the empirical and theoretical viewpoints. Various methods of economic forecasting are discussed.

Three class hours each week. Three credits.

401 MONEY AND BANKING

Fall semester

Concentrated study of the theories and institutions of the monetary and credit system. Focus is on the role of money and credit in an economic system and their impact on such variables as prices, wages, investment.

Three class hours each week. Three credits.

403 PUBLIC FINANCE AND TAXATION

Spring semester

The course emphasizes the role of the public sector—local, state and national levels—in an economic system. Of particular concern are such matters as the economic impact of alternative tax schemes, the basic rationale for production of public goods, the conditions under which government regulation is desired, the relative effectiveness of expenditure and taxation policies in controlling unemployment, inflation and economic growth.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN ECONOMICS

Two semesters

Seminar meetings in which concentrators report to their peers and professors the progress and results of independent study. It is intended that students deal with topics of interest to them and which utilize the accumulated knowledge from their concentration in economics.

Two meetings each week. Three credits each semester.

Open only to concentrators who have completed all other requirements for the major in economics or who are concurrently completing the major by taking one or two 300 or 400 level courses.

Spring semester

An elementary survey of the theoretical and empirical literature of the field of economics devoted to the statistical formulation of propositions derived from economic theory. Some attention is given to materials dealing with particular distributions which tend to characterize certain economic data. Emphasis is given to simple and multiple regression analysis as a major statistical tool of economic analysis.

Three class hours each week. Three credits.

DEPARTMENT OF CHEMISTRY

The Department of Chemistry offers to meet the needs of those students whose primary interest is chemistry and who intend to pursue graduate studies or enter directly into industry or secondary school teaching. It also provides courses in chemistry to supplement studies in the other disciplines.

The concentration in chemistry should be chosen only by students who have a good aptitude for the physical sciences. Students who plan to attend graduate school should bear in mind that a reading knowledge of French and German may be required.

Required of concentrators: Chemistry 105, 204-206, 301-303, 304, 305-307, 410 and three additional semester courses in chemistry; Physics 110, 210-212; Mathematics 105-107 and 201-203.

100 HISTORY AND DEVELOPMENT OF CONCEPTS IN CHEMISTRY

Fall and Spring semesters

An historical approach to the development of our present models of the atom, chemical bonding and energies associated with chemical change. Applications to problems in modern society are included.

Three class hours each week. Three credits.

103 STOICHIOMETRY

Fall semester

A comprehensive study of weight and equivalency relationships in chemical reactions. The laboratory consists of the study of classical methods in qualitative and quantitative analysis.

Three class hours and one laboratory each week. Four credits.

105 STOICHIOMETRY

Fall semester

Lecture same as 103. The laboratory presents a more extensive study of qualitative and quantitative methods of chemical analysis.

*Three class hours and two laboratories each week. **Five credits.***

107 CHEMICAL BONDING AND ENERGETICS

Spring semester

Topics covered include atomic structure, bonding and molecular structure, basic thermodynamic relationships, reaction kinetics and acid-base theory. The laboratory consists of a continued study of quantitative analytical methods.

*Three class hours and one laboratory each week. **Four credits.***

111 ENVIRONMENTAL CHEMISTRY

Fall and Spring semesters

A study of the problems of environmental pollution with the main focus on the chemistry and chemical compounds involved.

*Three class hours each week. **Three credits.***

201-203 ORGANIC CHEMISTRY

Two semesters

A study of organic reactions with emphasis on functional groups, reactive intermediates, reaction mechanisms, and synthesis. The laboratory consists of experiments designed to familiarize the student with the experimental techniques of organic chemistry and to demonstrate some of the principles presented in the classroom.

*Three class hours and one laboratory each week. **Four credits each semester.***

204-206 ORGANIC CHEMISTRY

Two semesters

Lectures same as 201-203. The laboratory consists of an introduction to organic laboratory techniques with emphasis on qualitative analysis by classical and instrumental methods. The second semester will introduce the student to research. Each student will be assigned an individual research project in the field of organic chemistry. A written research report is required.

*Three class hours and two laboratories each week. **Five credits each semester.***

301-303 PHYSICAL CHEMISTRY

Two semesters

This course considers the laws and energy relationships which describe physical states and chemical processes. It includes a de-

tailed study of thermodynamics, physical states of matter, kinetics, equilibria and modern structural concepts.

Prerequisites: Math 105-107; one year of college physics. Three class hours each week. Three credits each semester.

304 PHYSICAL CHEMISTRY LABORATORY

Two semesters

A laboratory for chemistry concentrators which emphasizes the applications of the principles of physical chemistry.

Two laboratories each week. Two credits each semester.

305 INORGANIC CHEMISTRY

Not offered 1973-74

A study of atomic structure and periodicity, nuclear structure and reactions, and inorganic synthesis.

Three class hours each week. Three credits.

307 ADVANCED INORGANIC CHEMISTRY

Not offered 1973-74

A study of stereochemistry and reaction mechanisms in inorganic chemistry.

Three class hours each week. Three credits.

401 ADVANCED ORGANIC CHEMISTRY

Fall semester

A comprehensive study of modern organic synthesis with emphasis on reaction mechanisms and stereochemistry.

Three class hours each week. Three credits.

403 PHYSICAL ORGANIC CHEMISTRY

Spring semester

A study of organic reactions with emphasis on rates, activation parameters, molecular orbitals and symmetry.

Three class hours each week. Three credits.

410 SEMINAR

Two semesters

Each student will present a series of seminars from current chemical literature. In addition, each student will defend orally an original research proposal. This proposal should demonstrate a comprehension of current chemical problems and an appreciation for the experimental methods.

One credit each semester.

413 INSTRUMENTAL ANALYSIS *Not offered 1973-74*

This course presents the theoretical and practical aspects of instrumental analytical chemistry. The laboratory consists of electrochemical, spectrometric, chromatographic, and radiometric methods of analysis.

Three class hours and two laboratories each week. Five credits.

415 ADVANCED PHYSICAL CHEMISTRY *Spring semester*

An introduction to quantum mechanics and its application to atomic and molecular structure.

Prerequisites: Physics 110, 210-212; Math 201-203.

Three class hours each week. Three credits.

421 and 423 CHEMICAL RESEARCH

Fall and Spring semesters

The laboratory work consists of a research effort designed to introduce current chemical research problems. A written report is required.

Three credits per semester.

DEPARTMENT OF CLASSICS

The Department of Classics offers courses in Latin and Greek for students who wish to develop a capacity to read the literature written in those languages. It offers also courses in the history of Greek and Roman civilization and literature in translation for all interested students.

A program of concentration is offered in Latin for those students who plan to do graduate work in Classical or Romance languages and in the field of ancient or medieval history, and for those who expect to teach Latin in the secondary schools or those who are interested in the cultural value of the Classics. The following are the objectives of the program: to develop the student's ability to read and translate at sight representative works of Latin authors; to teach the student skill and style in Latin composition, conversation and prosody; to develop an understanding of the lasting contribution of Graeco-Roman civilization to our culture and way of life.

Required of concentrators: Latin 105-7, 201-3, 301, 303, 401-3, 410.

Recommended elective: Greek 101-3, 201-3; History 301, 303; Classical Civilization 305-7.

Greek

101-103 ELEMENTARY GREEK *Two semesters*

Introduction to the forms, vocabulary and syntax of classical Attic Greek. Selected readings from Xenophon and Plato.

Three class hours each week. Three credits each semester.

201-203 GREEK PROSE LITERATURE *Not offered in 1973-74*

Study of the fundamentals of Classical Greek. Selected readings from Demosthenes, Plato and Thucydides.

Three class hours each week. Three credits each semester.

301-303 GREEK POETRY *Not offered in 1973-74*

Selected readings from Homer, Hesiod, Sappho, Alcaeus, Aeschylus, Sophocles, Euripides and Aristophanes.

Three class hours each week. Three credits each semester.

Latin

101-103 ELEMENTARY LATIN *Two semesters*

An introduction to the basic forms, vocabulary and syntax of Latin.

Three class hours each week. Three credits each semester.

105-107 INTERMEDIATE LATIN *Not offered in 1973-74*

A review of the basic structure and idioms of the Latin language. The aim of this course is to develop a reasonable ability in reading, translation, composition and conversation.

Prerequisite: Two years of high school Latin, or Latin 101-103.

Three class hours each week. Three credits each semester.

201 ROMAN HISTORIANS *Fall semester*

Selected readings from Sallust, Cicero, Caesar, Livy and Tacitus with lectures and readings on the development of historical writing in Rome.

Three class hours each week. Three credits.

203 ROMAN LYRIC POETRY

Spring semester

Selected readings from Catullus, Horace and Vergil. A study of Roman poetical forms and genres.

Three class hours each week. Three credits.

301 PATRISTIC LATIN

Not offered in 1973-74

Readings from St. Augustine's *Confessions* and *City of God*, and from prose and poetry writings of other Latin Church Fathers.

Three class hours each week. Three credits.

303 MEDIEVAL LATIN

Not offered in 1973-74

A survey, through selected readings, of the secular and religious poetry and prose from the sixth to the thirteenth century A.D.

Three class hours each week. Three credits.

310 DIRECTED READING IN LATIN LITERATURE

Not offered in 1973-74

From authors not usually covered in formal courses. Reading program suited to individual requirements and preference will be chosen by the students under direction of the instructor. Student reports, written and oral, will be discussed.

Two meetings each week. Three credits each semester.

401-403 ADVANCED LATIN PROSE COMPOSITION

Not offered in 1973-74

A study of Latin rhetoric with particular emphasis on the appreciation of the differences between formal, oratorical and epistolary style. Translation and composition based on selected models from Latin literature.

Two meetings each week. Three credits each semester.

410 COORDINATING SEMINAR IN LATIN

Not offered in 1973-74

Reading program begun in the junior year is continued from a second area of concentration. Two research papers, a philological and historical study are required from each concentrator. Written and oral reports will form the basis of discussion for the meetings.

Two meetings each week. Three credits each semester.

Classical Civilization

301-303 HISTORY OF GREECE *Not offered in 1973-74*

A study of the political and social history of Greece, with some consideration of the Oriental civilizations by which the Greeks were influenced.

Three meetings each week. Three credits each semester.

305-307 HISTORY OF ROME *Two semesters*

A study of the political and social history of Rome from the origins to the Fourth Century of the Christian Era.

Three meetings each week. Three credits each semester.

321-323 THE GROWTH OF ROMAN POLITICAL AND
SOCIAL INSTITUTIONS *Two semesters*

The rise of the city. The aristocratic constitution; the struggle of the orders and the triumph of democracy. The political and social organization of the Republic.

Three meetings each week. Three credits each semester.

403 THE CLASSICAL EPIC *Fall semester*

This course deals with the genre of epic as it has developed from Homer through Virgil and Milton. Works to be treated include: *Iliad*, *Odyssey*, *Argonautica*, *Pharsalia*, and *Paradise Lost*. Reference will be made to various medieval epics and to the *Luciad* and *Jerusalem Liberata*.

Three meetings each week. Three credits.

405 THE GREEK AND THE ROMAN THEATRE *Spring semester*

From Aeschylus to Seneca. The development of dramatic forms from the Attic drama to Roman comedy, with reference to modern adaptations.

Three meetings each week. Three credits.

481 ECONOMIC HISTORY OF THE GRAECO-ROMAN
WORLD *Fall semester*

The Mediterranean from the Minoans to Roman unification. Commercial centers and routes. Agricultural and industrial organization. The main products. Contacts with the non-Mediterranean World, the Far East, Central Africa and Northern Europe.

Three meetings each week. Three credits.

The End of "Mare Nostrum" and the break-up of the Graeco-Roman economic system. The manorial organization. The economic revival of the West in the XI century: the rise of the Italian maritime republics, the Crusades. The changes in the industrial and agricultural processes. The East-West trade. The Hansa and the Northern trade.

Three meetings each week. Three credits.

DEPARTMENT OF EDUCATION

Teacher Certification Programs. The teacher certification programs described below are for students seriously considering teaching as a profession. Such students will enroll in one of the regular concentrations but will devote their elective courses to the teacher certification program. Programs leading to certification in both secondary and elementary education are offered. Each requires about 30 credit hours, as outlined below.

Both certification programs require a pre-practicum taken during the sophomore year, a core of 4 courses taken during the junior and senior years, supervised teacher training in a local school during the senior year, and a comprehensive examination.

THE PRE-PRACTICUM will allow students to observe operations in the local schools, will enable them to work with children there and to evaluate the experience.

CORE COURSES—Education 323, 325, 423, 425. These courses will involve small groups of students who meet regularly with an instructor through four semesters. In them students and instructors will jointly determine what competencies are needed in a good beginning teacher and will establish a format for allowing each person to achieve them.

It is expected that some or all of the following will be considered during the four semesters: Self-directed learning, different learning and teaching styles and methods, educational materials, social issues affecting education, creation of a learning psychology or philosophy, group dynamics, self-evaluation.

PRACTICE TEACHING—Education 410—offering six credits, is a supervised field experience during the senior year, according to a schedule negotiated with an area school.

The Department of Education also offers the courses listed below. These are open to all qualified students.

201 PRACTICUM IN SELF DIRECTED LEARNING

Not offered in 1973-74

The learner will direct his own learning by monitoring the process he undergoes. From his successful experiences he will be able to describe his own learning style.

By permission only.

*Two class hours each week. **Three credits.***

231-233 ANALYSIS OF SCHOOLS AND TEACHING STYLES I, II

Two semesters

This course is designed primarily for any student (particularly the sophomore) who is contemplating enrolling in the Teacher Certification Program (a bloc of 18 credits, including 6 credits for student teaching, taken during the junior and senior years). The student is required to log roughly 60 hours of observation (and/or participation) of a variety of teachers in a variety of schools, and participate in a series of small group discussions during the course of the observation period.

*Two class hours each week. **Three credits each semester.***

309 PHILOSOPHY OF EDUCATION

Fall and Spring semester

This course considers the basic principles, the nature and ends of education, and emphasizes the respective roles of the intellectual and moral virtues in the teaching and learning situation as well as the function of education in society.

*Three class hours each week. **Three credits.***

319 POPULAR READINGS IN EDUCATION *Fall semester*

A series of selections from the flood of "popular education" literature (Silberman, Goodman, Skinner, Rogers, Holt, Kozol, Kohl, Herndon, Leonard, Neill, etc.) balanced by criticism of these works.

*Two class hours each week. **Three credits.***

321 PRACTICUM IN HUMANISTIC EDUCATION

Spring semester

A series of "humanistic" or "affective" experiences selected to help each person know himself better through an examination of his values, feelings, goals, and behavior.

*One meeting each week. **Three credits.***

323-325 PREPARATION FOR TEACHER CERTIFICATION
I, II

Three class hours each week. Three credits.

341 FOUNDATIONS OF MUSIC EDUCATION

Fall semester

A survey of the history and development of music education from the Middle Ages through current practices in America. The evolution of the music curriculum in the twentieth century will be studied against a background of traditional and modern philosophical influences on the field of music education.

Three class hours each week. Three credits.

343 MUSIC FOR THE CLASSROOM TEACHER

Spring semester

The study of music fundamentals, melodic and formal structure, and musical form from a pedagogical point of departure. Basic musical terminology, sight singing, rhythmic activities will be explored as background for the interpretation of standard graded music series most commonly used in the elementary classroom.

Three class hours each week. Three credits.

423-425 PREPARATION FOR TEACHER CERTIFICATION
III, IV

Three class hours each week. Three credits each semester.

424 SUPERVISED PRACTICE TEACHING

Fall or Spring semesters

During the senior year the student will engage in extensive practice teaching experience under the supervision of his cooperating teacher in the school, an education staff supervisor, and in some cases, his subject-area advisor. Scheduling of the practice teaching will be done by the student and his supervisors according to his needs.

By permission only. Six credits per semester.

DEPARTMENT OF ENGLISH

English concentrators are required to take a one-semester course in literary method in their first year (English 103). This course seeks to give the student a critical vocabulary and to instruct him in the close reading of and writing about literature. It should be taken prior to any other literature course.

Other concentration courses offer further instruction in literature, in language, and in some of the major writers and periods of English and American literature. In addition to fulfilling the departmental requirements listed below in italics, the student should choose his courses so as to study both early and recent writers and periods and both individual writers (Chaucer, Milton) and whole eras (courses presented chronologically).

In all the above courses English concentrators are expected to maintain a reasonably high level of written expression in tests, examinations, and in short and long papers. Notable deficiencies in the fundamental decencies of writing should be regarded as a serious impediment to concentration in English. In fact, students with a grade below C in English 103 will be discouraged from continuing in English as a field of concentration.

Only students who like to read both poetry and prose and who have some facility in writing should become English concentrators. No student not already proficient in the use of the language should consider concentrating in English. An essential part of the English curriculum is the writing of short and long critical and scholarly papers, and hence if the student is not already acquainted with scholarly methods or does not know how to use the library effectively, he should be prepared to acquire the necessary skills.

Students transferring into English from other concentrations must have an overall 2.0 grade point average and departmental approval.

Required of concentrators: English 103, 347, 410, and any other combination of English courses numbered 200 and above which will bring the total number of hours to thirty. Drama 301 and 303 may also be counted as English courses.

101 COLLEGE WRITING I

Fall semester

The aim of this course is to help the student improve his writing. To this end, various obstacles to effective communication are discussed; good examples of the art are read; and the student is encouraged, as well as required, to write. Each section is limited to fifteen students.

Three class hours each week. Three credits.

103 INTRODUCTION TO LITERARY STUDIES

Fall and Spring semesters

This course offers concentrators intensive training in the close reading and analysis of poems, plays, and short stories. Students will be expected to acquire a critical vocabulary and master basic concepts of literary form, structure, and technique. Students should take this course in the first or second semester of their freshman year.

For concentrators only. Concentrators take this course in the first or second semester of their first year before they take any other literature course.

Three class hours each week. Three credits.

105 COLLEGE WRITING II

Spring semester

This course is a continuation of English 101 and is designed for those students who would like further instruction and practice in effective writing. However English 101 is not a prerequisite. Each section is limited to fifteen students.

Three class hours each week. Three credits.

211 GENRES: POETRY

Not offered in 1973-74

An intensive study of poetic forms. Recommended for English concentrators who have completed English 103.

Three class hours each week. Three credits.

212 GENRES: FICTION

Spring semester

An intensive study of types of fiction ranging from the fable through the short story, the novella, and the novel. Recommended for concentrators who have completed English 103.

Three class hours each week. Three credits.

213 GENRES: DRAMA

Spring semester

An intensive study of dramatic forms with special emphasis on

tragedy and comedy. Recommended for concentrators who have completed English 103.

Three class hours each week. Three credits.

215-217 MAJOR DEVELOPMENTS IN ENGLISH LITERATURE I, II *Two semesters*

This course surveys literary periods, movements, ideas, and writers from early English times to the present. It is designed primarily for non-concentrators who would like an overview of English literature.

Three class hours each week. Three credits each semester.

219 ENGLISH LITERATURE I *Spring semester*

A survey of English literature from the beginnings to 1700. Intended primarily for English concentrators.

Three class hours each week. Three credits.

221 ENGLISH LITERATURE II *Not offered in 1973-74*

A continuation of the survey from 1700 to the early 20th century. Intended primarily for English concentrators.

Three class hours each week. Three credits.

223-225 THE WRITING OF POETRY *Fall and Spring semesters*

Three class hours each week. Three credits.

224 CREATIVE WRITING WORKSHOP I *Fall semester*

This course will have no regular schedule of lectures or discussions. Instead, each student will be expected to contribute material in his chosen genre. The stories, poems, and plays will be duplicated, distributed to the class in advance of the meeting and then discussed. An important part of this workshop will be individual consultation with the director. Permission of professor is required before enrollment.

Three class hours each week. Three credits.

226 CREATIVE WRITING WORKSHOP II *Spring semester*

This course is a continuation of English 224 and is designed for those students who wish to continue writing or who were unable to take the workshop during the first semester. English 224 is not a prerequisite. Permission of professor is required before enrollment.

Three class hours each week. Three credits.

Prerequisite for all following courses is English 103.

301 CHAUCER

Fall semester

Each of the Canterbury Tales, except for the two prose treatises, is closely read and is discussed in class. Students also read *Troilus and Criseyde* and a volume of scholarly and critical papers.

Three class hours each week. Three credits.

303 SHAKESPEARE

Fall and Spring semesters

This course is designed to provide the student with a sound understanding of Shakespeare's career as a dramatic artist. Representative histories, tragedies, and comedies will be dealt with chronologically. Students should expect to read at least a dozen plays during the semester and to concern themselves with matters both theatrical and aesthetic.

Three class hours each week. Three credits.

304 EIGHTEENTH CENTURY ENGLISH LITERATURE

Not offered in 1973-74

A survey of the major poets and prose writers from Dryden to Burns.

Three class hours each week. Three credits.

305 THE ENGLISH ROMANTIC POETS

Fall semester

Students will read the works of Wordsworth, Coleridge, Byron, Shelley, and Keats.

Three class hours each week. Three credits.

306 THE VICTORIAN POETS

Spring semester

Students will read the major Victorian poets from Tennyson to Hardy.

Three class hours each week. Three credits.

307 MILTON

Not offered in 1973-74

Students will read Milton's important works, including *L'Allegro/Il Penseroso*, *Comus*, *Lycidas*, *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* as well as selected prose that bears a particular relationship to his poetry.

Three class hours each week. Three credits.

317 MAJOR CONTEMPORARY AUTHORS

Not offered in 1973-74

Students will read the works of selected representative British and American writers of the twentieth century. Whenever possible, arrangements will be made, concerning these writers in the preceding semester.

Three class hours each week. Three credits.

319-321 MODERN WORLD LITERATURE I & II

Offered in 1974-75

This course draws its material from several modern languages including English, French, Spanish, German, and Italian.

Three class hours each week. Three credits each semester.

327 TWENTIETH CENTURY POETRY I

Not offered in 1973-74

Students will read in the poetry and prosody of Yeats, Pound and Eliot.

Three class hours each week. Three credits.

329 TWENTIETH CENTURY POETRY

Not offered in 1973-74

Three class hours each week. Three credits.

331 RENAISSANCE AND SEVENTEENTH CENTURY ENGLISH LITERATURE

Fall semester

This course is designed to deal with the major works in prose and poetry produced in England from the birth of British Humanism through the experience of the Counter-Renaissance. Such figures as More, Wyatt, Sidney, Spenser, Bacon, Donne, Browne, and Bunyan are a representative sampling.

Three class hours each week. Three credits.

333 SEVENTEENTH CENTURY LITERATURE

Not offered in 1973-74

After considering the nature and causes of the disillusionment and skepticism that closed out the sixteenth century in England and alluding briefly to the influence of Montaigne and Descartes, the course will consider the major trends in poetry and prose from Donne to Bunyan.

Three class hours each week. Three credits.

341 MAJOR BRITISH WRITERS

Spring semester

In this seminar students read the works of two or three major

British writers of the eighteenth century, for instance, Swift-Pope, Fielding-Smollett, Gray-Goldsmith-Burns.

Three class hours each week. Three credits.

343 SEMINAR IN MAJOR AMERICAN WRITERS

Spring semester

In this seminar students read the works of two or three major American writers, for instance, Cooper-Hawthorne-Melville, Poe-Emerson-Whitman, Twain-James, Fitzgerald-Hemingway.

Three class hours each week. Three credits.

345 ADVANCED COLLEGE WRITING

*Fall and
Spring semesters*

This course offers an intensive study of, and extensive practice in writing.

Three class hours each semester. Three credits.

347 ADVANCED LITERARY STUDIES

Spring semester

In this course concentrators will study the work of theoretical and practical critics and will attempt to evaluate literary works in various short and long papers.

Concentrators take this course in their third year.

Three class hours each week. Three credits.

351 COLONIAL AND REVOLUTIONARY AMERICAN
LITERATURE

Not offered in 1973-74

Extensive readings in several writers from the Colonial and Revolutionary periods, with emphasis upon Jonathan Edwards, Thomas Jefferson, and recent scholars such as Perry Miller, and Merrill Peterson.

Three class hours each week. Three credits.

353 BRITISH RENAISSANCE DRAMA

Fall semester

This course will consider the development of drama from its medieval origins to 1600. Major attention will be given to the movement in British drama to the paradox of Marlovian tragedy and Jonsonian comedy at the end of the century.

Three class hours each week. Three credits.

355 BRITISH SEVENTEENTH CENTURY DRAMA
(1600-1642)

Not offered in 1973-74

This course will consider the development of drama from

Jacobean tragedy to the antecedents of the Restoration's comedy of manners.

Three class hours each week. Three credits.

356 EIGHTEENTH CENTURY ENGLISH NOVEL

357 NINETEENTH CENTURY ENGLISH NOVEL

Not offered in 1973-74

Readings will include novels by Scott, Austen, Brontë, Dickens, Thackeray, Meredith, Hardy, Conrad, and others. Open to non-concentrators by consent of instructor.

Three class hours each week. Three credits.

359 TWENTIETH CENTURY ENGLISH NOVEL

Not offered in 1973-74

Readings will include novels by Lawrence, Forster, Huxley, Joyce, Spack, Burgess, Braine, Sillitoe, and others. Open to non-concentrators by consent of professor.

Three class hours each week. Three credits.

361 NINETEENTH CENTURY EUROPEAN NOVEL

Fall semester

Emphasis will be placed on the major French and Russian novelists, Stendahl, Flaubert, Balzac, and Tolstoy and Dostoevsky. Open to non-concentrators.

Three class hours each week. Three credits.

363 TWENTIETH CENTURY EUROPEAN NOVEL

Spring semester

Readings will include works by Gide, Proust, Sartre, Mann, Hesse, Musil, Unamuno, Silone, Kazantzakis, and others. Open to non-concentrators.

Three class hours each week. Three credits.

401 AMERICAN LITERATURE I

Fall semester

Students will read the works of American writers from Colonial times through the post-Civil War period (Mark Twain).

Three class hours each week. Three credits.

403 AMERICAN LITERATURE II

Spring semester

Students will read the works of American writers from Mark Twain's time to the 1960's.

Three class hours each week. Three credits.

Fall semester

A study of the development of the English language from Old English times to the twentieth century. Phonology and syntax are emphasized with transformational-generative theory providing the approach to the latter.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN ENGLISH

Two semesters

This two-semester seminar is designed to be an English concentrator's most important course, the one in which he does his best work and most fully demonstrates the skills acquired in his previous years of reading, writing, and studying. As much as possible, student choice of subject matter will be honored.

Three class hours each week. Three credits each semester.

411 AMERICAN RENAISSANCE

Fall semester

A study of the major works of Emerson, Thoreau, Hawthorn, Melville, and Whitman, with an emphasis on Fo. O. Matthiossen's interpretation of the 1850-1856 literary period. For Juniors, Seniors and Graduate Students only.

Three class hours each week. Three credits.

413 AMERICAN NATURALISM

Spring semester

A study of American fiction from Stephen Crane to William Faulkner, with special emphasis on the work of Fitzgerald, Hemingway, and Faulkner. For Juniors, Seniors and Graduate Students only.

Three class hours each week. Three credits.

414 AD HOC SEMINAR IN ENGLISH

Spring semester

Some possible seminars are: Henry James, Prose Style, Asian Literature, African Literature, Latin-American Literature, American Jewish Fiction, Irish Poets and Writers, The Modern German Novel, Romanticism. For further information contact Department Chairman. Enrollment by consent of the professor.

Three class hours each week. Three credits.

415 MIDDLE ENGLISH LITERATURE

Spring semester

Students will read in the original representative selections of the non-Chaucerian, non-dramatic literature composed between 1100-1500.

Prerequisite: English 301.

Three class hours each week. Three credits.

The aims of this tutorial are similar to those in English 410. Each student will develop a project independently and will be provided with individual consultation and instruction outside the classroom. Only students with a B average in concentration may register for this course. Professor's permission is required.

Three credits.

DEPARTMENT OF FINE ARTS

Fine Arts are important manifestations of the intellectual growth and development of the educated man. The liberal arts program at Saint Michael's College recognizes that all students should be aware of the significant artistic media of expression against a background of history and literature. With this in mind, the Fine Arts Department has instituted a concentration in Fine Arts in which students may develop an emphasis in art, drama, music, or any combination of these areas. In addition, the Department opens its courses to qualified non-concentrators as electives.

To provide for practical expression of the arts, the Fine Arts Department sponsors the following organizations: Glee Club, Choir, Musical Ensemble, and Drama Club, all open to any of the College community.

Required of concentrators: Fine Arts, ART: 203, 205, 305, 307, 309-11, 401-3, 410, and a minimum of 3 credits in drama, 3 credits in music and other Fine Arts credits. DRAMA: 201, 301, 303, 305, 309, 311, 410, and a minimum of 3 credits in art, 3 credits in music and other Fine Arts credits. MUSIC: 201, 203, 205-7, 209-11, 309, 311, 317, 319, 397 or 398 or 399, 410, and a minimum of 3 credits in art, 3 credits in drama and other Fine Arts credits.

It is possible for students to combine more than one area (art, drama, music). In such cases the student will work out the program with the department chairman, who must approve it. Students transferring into Fine Arts from other concentrations after the sophomore year must have an overall 2.0 grade point average and departmental approval.

Art

203 ART FUNDAMENTALS

Fall and Spring semesters

This is a course designed to equip the student with a knowledge of the fundamentals in Drawing, Perspective, Composition, Value, Color and Design; with the practical intention that the ideas developed theoretically in this course will be put to actual development in studio workshop practice.

Three class hours each week. Three credits.

205 DRAWING

Fall and Spring semesters

An introduction to the basic techniques and procedures of drawing through lecture and practice. Many approaches to drawing, varied media and subject matter will be considered. It is a foundation course for all media of expression. Students are required to furnish their own materials. *Studio fee \$10.*

Three class hours each week. Three credits.

305 HISTORY OF ART

Fall semester

An introduction to art styles in the Western world from late Gothic up to the French Revolution pointing up differences in style due to historical, political or national conditions.

Three class hours each week. Three credits.

307 MODERN ART

Spring semester

A general survey of the visual arts of the Western world from Neo-Classicism to present *avant-garde* innovations.

Three class hours each week. Three credits.

309-311 PAINTING

Two semesters

This course features creative work in the principles of design, painting, and handling of media. *Studio fee \$15.*

Prerequisite: Art 203 or 205.

Art 309 is prerequisite to Art 311.

Three class hours each week. Three credits each semester.

401 SCULPTURE

Fall semester

The study and practice of sculpture as a medium for creative expression. Examination and analysis of traditional and contemporary sculpture. Studio experience in modeling, carving, moldmaking and casting of the sculpture. *Studio fee \$15.*

Prerequisite: Art 203 or 205.

Three class hours each week. Three credits.

403 SCULPTURE

Spring semester

Continuation of the study and practice of sculpture as a medium in the various materials with training in terra-cotta and use of the kiln. *Studio fee \$15.*

Prerequisite: Art 401.

Three class hours each week. Three credits.

405 GRAPHICS I

Fall semester

Introduction to the various techniques and materials of print-making with emphasis on the wood cut. *Studio fee \$15.*

Prerequisite: Art 203 or 205.

Three class hours each week. Three credits.

407 GRAPHICS II

Spring semester

Further exploration into the creative possibilities of the media, with the introduction of the Serigraphy (screen print) process. *Studio fee \$15.*

Prerequisite: Art 405.

Three class hours each week. Three credits.

409 THE ARTS IN LEARNING

Spring semester

A survey of the arts curriculum in the public schools with emphasis on current trends in teaching.

Prerequisites: Art 205 and permission of instructor.

Three class hours each week. Three credits.

411 TUTORIAL IN ADVANCED SCULPTURE

Spring semester

Individually planned studio program. Student needs and interests will determine the medium employed. *Studio fee \$15.*

Prerequisite: Art 205, 403 and permission of department chairman.

Three class hours each week. Three credits.

415 TUTORIAL IN ADVANCED PAINTING

Fall semester

Individually planned studio program. Student needs and interests will determine the medium employed. *Studio fee \$15.*

Prerequisite: Art 205, 311 and permission of department chairman.

Three class hours each week. Three credits.

Drama

201 INTRODUCTION TO THE THEATER *Fall semester*

A first course in the literature and production procedures in Theater Arts.

Three class hours each week. Three credits.

203 ORAL INTERPRETATION OF LITERATURE

Spring semester

An introductory course in the Art of Communicating to an audience a work of literary art in its intellectual, emotional, and aesthetic entirety.

Three class hours each week. Three credits.

301 CHIEF PATTERNS OF WESTERN DRAMA

Fall semester

A survey of the history of drama from the Golden Age of Greece to the advent of Realism. The relationships among authors, their plays, and conditions of production are emphasized.

Three class hours each week. Three credits.

303 CONTEMPORARY DRAMA

Spring semester

An investigation into the most important and influential playwrights from the beginning of Realism to the present.

Three class hours each week. Three credits.

305 FUNDAMENTALS OF PLAY PRODUCTION

Spring semester

A presentation of the fundamentals of bringing a play to life: play selection, casting, style production, directing, scenery design, rehearsal scheduling. Particular emphasis is placed on technical aspects.

Three class hours each week. Three credits.

307 AMERICAN THEATRE

Fall semester

The American heritage in drama and sub-literary forms, such as vaudeville, from the Revolution to the present.

Three class hours each week. Three credits.

309 PRINCIPLES OF PLAY DIRECTION *Spring semester*

In this course students learn how to direct a play. They obtain

experience in casting, blocking, interpretation, polishing, and performance.

Prerequisite: Drama 201 or permission of professor.
Three class hours each week. Three credits.

311 PRINCIPLES OF ACTING *Fall semester*

Theory and technique of developing characters for the stage.

Prerequisite: Drama 201 or permission of professor.
Three class hours each week. Three credits.

401 ADVANCED DIRECTING *Offered 1974-75*

Advanced theory and practice culminating in the direction of a play. *Variable fee to cover royalty.*

Prerequisite: Drama 309 and permission of the professor.
Three class hours each week. Three credits.

403 ADVANCED ACTING *Offered 1974-75*

In-depth study of the development of stage characterization with special emphasis on individual needs.

Prerequisite: Drama 311 and permission of the professor.
Three class hours each week. Three credits.

Communications

205 PRINCIPLES OF SPEECH *Fall and spring semesters*

A first course in speech techniques. This is a one semester course.

Three class hours each week. Three credits.

207 ADVANCED SPEECH: ARGUMENTATION AND PERSUASION *Spring semester*

The emphasis in this course is on speech content and composition.

Prerequisite: Communications 201.
Three class hours each week. Three credits.

Music

201 INTRODUCTION TO MUSIC

Fall semester

An extensive study of basic musicianship, including sight reading, melodic and harmonic dictation, and the primary chords through the dominant seventh.

Three class hours each week. Three credits.

203 TONAL MUSIC

Spring semester

A study of the harmonic structure of tonal music, functional harmony, voice leading. An introduction to contrapuntal techniques.

Prerequisite: Music 201.

Three class hours each week. Three credits.

205-207 PIANO CLASS

Two semesters

Basic musicianship, keyboard technique, sight reading. Class limited to six students.

Prerequisite: Music 201 or permission of the instructor.

One and one-half credits per semester. Must be taken for two semesters.

209-211 VOICE CLASS

Two semesters

Introduction to vocal technique and voice production. Class limited to six students.

Prerequisite: Music 201 or permission of the instructor.

One and one-half credits per semester. Must be taken for two semesters.

213-215 RECORDER CLASS

Two semesters

Basic musicianship, finger technique and ensemble experience.

One and one-half credits per semester. Must be taken for two semesters.

309 HISTORY OF MUSIC

Fall semester

A survey of the development of music against a background of the stylistic periods of Western civilization, from the Middle Ages through Romanticism.

Three class hours each week. Three credits.

311 MODERN MUSIC

Offered in 1974-75

A survey of music from Nineteenth Century Impressionism to modern *avant-garde* compositions.

Three class hours each week. Three credits.

315 FOLK MUSIC IN WESTERN LIFE

Spring semester

A study of the folk music of different nations of the world. The influence of folk elements upon music found in contemporary performance.

Three class hours each week. Three credits.

317 HARMONIC ANALYSIS

Fall semester

The study of harmony and elementary counterpoint. The form and analysis of musical compositions.

Prerequisite: Music 203 and 205-207.

Three class hours each week. Three credits.

319 COMPOSITIONAL TECHNIQUES

Spring semester

A continuation of harmony and counterpoint. The class will apply these techniques to small compositional forms.

Prerequisite: Music 317 and 205-207.

Three class hours each week. Three credits.

321 AMERICAN MUSICAL THEATER

Offered in 1974-75

The distinctive American character of the Broadway musical, cinema-musical, opera and dramatic theater is considered. When possible, the class participates in the production of a musical.

Three class hours each week. Three credits.

325 HISTORY AND DEVELOPMENT OF JAZZ AS AN
AMERICAN ART FORM

Spring semester

A chronological development from points of departure in African musical structure through phases in American musical history to the present. The influence of jazz upon American musical expression.

Three class hours each week. Three credits.

341 MUSIC FOR THE CLASSROOM TEACHER

Fall semester

The study of music fundamentals, melody and formal structure, and musical form from a pedagogical point of departure. Basic musical terminology, sight singing, rhythmic activities as background for the interpretation of standard graded music series.

Three class hours each week. Three credits.

Offered in 1974-75

A survey of the history and development of music education from the Middle Ages through current practice in America. The evolution of the music curriculum in the public schools in the twentieth century against a background of traditional and modern philosophical influence in the field of music education.

Three class hours each week. Three credits.

397 GLEE CLUB

Two semesters

The study and performance of choral literature for men's voices in a variety of styles. Audition necessary. Attendance at rehearsals mandatory.

Three credits upon completion of three years' participation.

398 CHOIR

Two semesters

The study and performance of choral literature for mixed voices in a variety of styles. Audition necessary. Attendance at rehearsals mandatory.

Three credits upon completion of three years' participation.

399 WIND ENSEMBLE

Two semesters

A performing instrumental group open to all students who play a wind instrument. Attendance at rehearsals mandatory.

Three credits upon completion of three years' participation.

405 AMERICAN MUSIC

Spring semester

A survey of the development of American music from the Colonial period to the present, considering the influences of European practices and American aesthetic thought.

Three class hours each week. Three credits.

FINE ARTS

410 SENIOR FINE ARTS SEMINAR

Two semesters

A synthesis of formal course work and practical implementation of the unifying elements and common bonds of the arts. Individual guidance is given in projects within art, drama, or music according to the particular interest of students. Academic credit may be received through the course for Vermont Educational Television studio apprentice program.

Three credits each semester.

DEPARTMENT OF HISTORY

The objectives of the concentration are as follows: (1) to give the student a general knowledge of the past, of the events which shaped the life of mankind, of the men who influenced the course of civilization, of the institutions which human society has evolved; (2) to give him a more specific knowledge of one area of history, such as Ancient, Medieval, Modern European, or American; (3) to promote his better understanding of the present and of his position as the heir to a continuous Christian culture, through an appreciation of the forces that produced western civilization; (4) to strengthen his critical faculty through the employment of the techniques of historiography, the use of analysis and synthesis, and the constant effort to determine the truth of the past; (5) to foster literate self-expression through discussion and the preparation of historical papers.

Required for concentrators: History 101-103, 410, and six hours of electives in American History. A total of 30 hours is required. Concentrators must establish proficiency in a modern language. They must do so by passing a course numbered 203-205 or by demonstrating equivalent knowledge through examination.

101-103 DIRECTED READING IN HISTORY

Two semesters

This course is devoted to discussion of historical works organized under three headings: Classical History; Philosophies of History; Historical Controversy. The course is designed to enlarge the student's knowledge of historical writing and to foster his appreciation of it.

Three class hours each week. Three credits each semester.

201-203 GROWTH OF THE AMERICAN NATION

Two semesters

This course acquaints the student with the most important facts and trends of American history from 1789 to 1900.

Three class hours each week. Three credits each semester.

301-303 HISTORY OF GREECE

Two semesters

The rise and development of Hellenic culture. The course is devoted to a study of the political and social history of Greece

from the beginnings to the rise of democracy. This is preceded by a survey of the Oriental civilizations by which the Greeks were influenced.

Three class hours each week. Three credits each semester.

305 THE EARLY MIDDLE AGES *Not offered in 1973-74*

An examination of the complex phenomena, political, cultural, religious, social, and economic that shaped the history of Western Europe from the period of the Later Roman Empire to the tenth century.

Three class hours each week. Three credits.

307 THE HIGH MIDDLE AGES *Not offered in 1973-74*

An examination of the central period in medieval history that extends from the eleventh to the beginning of the fourteenth century. Specific attention will be given to the dominant political, religious, social, economic, and cultural innovations of the age.

Prerequisite: History 305.

Three class hours each week. Three credits.

309-311 DIPLOMATIC HISTORY OF THE UNITED STATES *Two semesters*

This course surveys the foreign relations of the United States from the Revolution to the present.

Three class hours each week. Three credits each semester.

313 TUDOR AND STUART ENGLAND *Fall semester*

This course deals with England from 1485 to 1688. Among other topics it considers English law, the constitution, and the conflict between King and Parliament.

Three class hours each week. Three credits.

315 ENGLAND AND THE MERCANTILIST EMPIRE *Spring semester*

England from 1688 to 1815. The course considers the formation of the British Empire, the development of the cabinet form of government, the American Revolution, and the challenge of Napoleon.

Three class hours each week. Three credits.

317-319 PROBLEMS IN WESTERN CIVILIZATION *Two semesters*

From ten to twelve problems in Western Civilization will be studied each semester. Some typical problems are The Greek In-

tellectual Approach, Government During the Middle Ages, Conflict and Continuity in Religion, The Confrontation of Liberalism and Nationalism, The Diversity of Revolutionary Movements.

Three class hours each week. Three credits each semester.

323 COLONIAL AND REVOLUTIONARY AMERICA,
1607-1787 *Not offered in 1973-74*

The development of the American Colonies will be studied in depth with special attention given to the causation of the Revolution, its effects, and, finally, the formation and ratification of the Constitution.

Three class hours each week. Three credits.

325 ANTE BELLUM AMERICA, 1830-1860
Not offered in 1973-74

An intensified look at the growth of American optimism, industry, and intellectual development after Jackson and leading to the outbreak of the War of the Rebellion.

Three class hours each week. Three credits.

341-343 HISTORY OF ROME *Two semesters*

The study of the political and social history of Rome to the fourth century of the Christian era.

Three class hours each week. Three credits each semester.

351 THE BLACK MAN IN AMERICA *Fall semester*

A reading course designed to provide perspective concerning the role of the Black in American life. Although designed as a survey from 1619, emphasis will be given to historical developments from Reconstruction to the present.

Three class hours each week. Three credits.

353 THE HISTORY OF THE SOUTH *Spring semester*

The course will attempt to analyze the growth of Southern sectionalism and, later, nationalism, ending with the recent efforts of that section to return to its pre-1860 domination of American politics.

Three class hours each week. Three credits.

361 THE DECLINE OF ROME AND THE BARBARIAN
INVASIONS *Fall semester*

An analysis of the underlying foundations of western European civilization. This course will survey the causes of the collapse of

Roman administration in the West, the socio-political contributions of the various Germanic tribes, and the role played by the Church as a moral and cultural force. Chronologically the course will span the period A.D. 300 to 750.

Three class hours each week. Three credits.

363 THE FORMATION OF EARLY MEDIEVAL EUROPE

Spring semester

This course will analyze Europe's development between the years 750 and 1050. Emphasis will be given to Charlemagne's attempt to reconstitute the unity of Europe, the evolution of feudal-manorial society, contacts and conflicts with Byzantium and Islam, and the emergence of the Holy Roman Empire, Capetian France, and Anglo-Saxon England.

Three class hours each week. Three credits.

401 EUROPE IN THE LATE MIDDLE AGES *Fall semester*

This course will study the transitional era in European history from 1300 to the end of the 15th century; an age characterized by one scholar as the "Waning of the Middle Ages." Emphasis will be given to the decline of both Empire and Papacy, the emergence of pseudo-modern political entities in the West, especially the national kingdoms of France and England, the social and economic upheavals of the age and the intellectual discontent voiced against the scholastic synthesis of the 13th century.

Three class hours each week. Three credits.

403 THE RENAISSANCE

Spring semester

An analysis of the historiographical problem of the "Renaissance." The course will seek to analyze the crucial role played by the Renaissance in bridging the gap between medieval and modern history. The scope of the course will be limited to analyzing the social and intellectual history of Italy between the 14th and early 16th centuries.

Three class hours each week. Three credits.

405 REFORMATION EUROPE

Not offered in 1973-74

While emphasizing an intensive study of the religious ideology of the main Protestant theologians, especially Luther and Calvin, this course will also consider other of the major movements of the sixteenth century: the Catholic Counter Reformation, the constitutional and political strife of the century, the spread of humanism north of the Alps, and economic advances of the age.

Three class hours each week. Three credits.

407-409 EUROPE IN THE NINETEENTH CENTURY

Not offered in 1973-74

This course in the first semester surveys the history of nineteenth century Europe from the Congress of Vienna (1814) to the rise of Bismarck (1862). The spring semester continues the survey of nineteenth century Europe.

Three class hours each week. Three credits each semester.

410 SEMINAR IN HISTORY

Two semesters

This course is designed to draw upon and develop the student's knowledge of history through discussion and extended research. Specifically the student will do research in a limited area of European or American history and become familiar with the up-to-date bibliography in the field. One section of the seminar will deal with European history; another with American history.

Three class hours each week. Three credits each semester.

411 HISTORY OF RUSSIA TO 1905

Fall semester

This course surveys Russian history from the ninth century to the Revolution of 1905. It emphasizes the development of Russian political and social institutions and the relations of Russia with Western nations.

Three class hours each week. Three credits.

413 MODERN RUSSIA

Spring semester

This course surveys Russian history from 1905 to 1950 and emphasizes the Communist movement since 1917.

Three class hours each week. Three credits.

415 THE FRENCH REVOLUTION

Fall semester

This course considers the causes of the Revolution and its development to the Thermidorian Reaction.

Three class hours each week. Three credits.

417 EUROPE DURING THE AGE OF NAPOLEON

Spring semester

This course continues from the Thermidorian Reaction to the Congress of Vienna.

Three class hours each week. Three credits.

421 THE UNITED STATES IN THE TWENTIETH CENTURY I

Not offered in 1973-74

The political and social development of the United States from 1898 to 1924.

Three class hours each week. Three credits.

423 THE UNITED STATES IN THE TWENTIETH
CENTURY II *Not offered in 1973-74*

The political and social development of the United States from 1924 to the present.

Three class hours each week. Three credits.

425-427 EUROPE IN THE TWENTIETH CENTURY

Two semesters

The political and social development of the major European countries from 1900 to the present.

Three class hours each week. Three credits each semester.

431 THE AMERICAN CIVIL WAR, 1860-1865

Fall semester

A detailed examination of the Civil War, especially the military and political history. The course is designed to show the development of the modern American nation.

Three class hours each week. Three credits.

435 RECONSTRUCTION, 1865-1890

Spring semester

A focus on the changing American nation after the Civil War. In part the course will show the opportunity for social and economic change and the complexities of rapid industrialization.

Three class hours each week. Three credits.

441-443 HISTORY OF CANADA

Two semesters

A survey of the social, political, and cultural history of Canada from the foundations of New France to the twentieth century nation. Emphasis will center on problems of Canadian history and biographies of the leading men who shaped Canada.

Three class hours each week. Three credits each semester.

451-453 THE HIGH MIDDLE AGES *Not offered in 1973-74*

An examination of the central period in medieval history that extends from the eleventh to the beginning of the fourteenth century, during which time the constitutive elements (Roman, Christian, and Germanic) of western European civilization fused into a coherent whole. The themes to be considered include the papal-imperial rivalry for domination in Christendom; the feudal monarchy in France and England; the revival of commerce and urban life; the expansion of western Europe into the Muslim and Byzantine world; and the evolutionary growth of medieval culture, culminating in the scholastic synthesis of the thirteenth century.

Three class hours each week. Three credits each semester.

481 ECONOMIC HISTORY OF THE GRAECO-ROMAN
WORLD *Fall semester*

The Mediterranean from the Minoans to Roman unification. Commercial centers and routes. Agricultural and industrial organization. The main products. Contacts with the non-Mediterranean World, the Far East, Central Africa and Northern Europe.

Three meetings each week. Three credits.

483 ECONOMIC HISTORY OF THE WESTERN
WORLD IN THE MIDDLE AGES *Spring semester*

The End of "Mare Nostrum" and the break-up of the Graeco-Roman economic system. The manorial organization. The economic revival of the West in the XI century: the rise of the Italian maritime republics, the Crusades. The changes in the industrial and agricultural processes. The East-West trade. The Hansa and the Northern trade.

Three meetings each week. Three credits.

American Studies Program

The American Studies Program is an interdepartmental concentration under the supervision of the Department of History. Its purpose is to allow a student to investigate the factors—historical, social, political, economic, and intellectual—which have shaped American civilization. The student concentrating in American Studies will take the following courses: History 101-103; American Studies 310 and 410. The remaining twelve hours of study will be selected from the following departments upon consultation with the American Studies advisor: English, Political Science, History, Economics, Fine Arts, Philosophy, Theology, and Sociology.

310 AMERICAN INTELLECTUAL HISTORY, 1607-1865

Two semesters

The course attempts to show through various selected readings the development of American civilization. Representative topics considered are: Colonial letters, the concept of independence, transcendentalism, nationalism, and Romanticism. Basically the course is one of reading, discussion, and independent research. The second semester continues the approach followed in the first.

Three class hours each week. Three credits each semester.

410 AMERICAN INTELLECTUAL HISTORY, 1865-1970

Two semesters

This course deals with selected topics pertinent to the United States in the late nineteenth and in the twentieth century. Representative topics are: social Darwinism, the social gospel, progressivism, neo-orthodoxy, and various historical interpretations of the United States.

Three class hours each week. Three credits each semester.

Humanities Program

The "core" sequence in Humanities seeks to integrate history, literature, and art in a broad chronological survey of Western development. Periods of Western history are presented as units, mirrored in parallel reflections of socio-political change, literary landmarks, and typical art,

THE LIFE AND THOUGHT OF WESTERN MAN I

101-103 CLASSICAL AND MEDIEVAL CIVILIZATION

Two semesters

Open to freshmen, Humanities 101-103 surveys the development of ancient and medieval Europe. Besides standard history, music and art texts, the "Great Books" core includes: *The Bible* (*Genesis, Ruth, Psalms, Job*), *Iliad*, *Oedipus Rex*, *Antigone*, *The Peloponnesian War*, *Dialogues of Plato*, *The Constitution of Athens*, *Aeneid*, *Plutarch's Lives*, *Confessions of St. Augustine*, *Beowulf*, *Chronicles of the Crusades*, *The Little Flowers of St. Francis*, *On the Law*, *Inferno*, *Canterbury Tales*, *Everyman*, *The Second Shepherd's Play*. Lectures on history precede the core of "Great Books."

Three class hours each week. Three credits each semester.

THE LIFE AND THOUGHT OF WESTERN MAN II

201-203 RENAISSANCE AND ENLIGHTENMENT

Two semesters

This course continues the survey of Western development from the Renaissance through the Napoleonic Era. Books read and discussed include: *Book of the Courtier*, *In Praise of Folly*, *The Prince*, *Utopia*, *Autobiography of Benvenuto Cellini*, *Essays of Montaigne*, *Doctor Faustus*, *King Lear*, *New Organon*, *Paradise Lost* (I & II), *Areopagitica*, *Of Education*, *Pascal's Thoughts*, *Don Quixote*, *Le Bourgeois Gentilhomme*, *Second Treatise of Government*, *Selected Poetry of Pope*, *The Wealth of Nations*, *Federalist Papers*, *Declaration of Independence*, *Reflections on the Revolution in France*, *Romantic Poets*, *Faust* (Part I). Lectures on history precede the core of "Great Books."

Three class hours each week. Three credits each semester.

THE LIFE AND THOUGHT OF WESTERN MAN III

301-303 WORLD CULTURE OF THE NINETEENTH AND TWENTIETH CENTURIES

Two semesters

This course follows the same approach as the courses listed above. Among the works read in this course are: Emerson's *Essays*, Melville's *Moby Dick*, Marx's *Communist Manifesto*, Turgenev's *Fathers & Sons*, Joyce's *Portrait of the Artist as a Young Man*, Hemingway's *The Sun Also Rises*.

Three class hours each week. Three credits each semester.

307-309 DEVELOPMENT OF SCIENTIFIC THOUGHT IN THE WEST

Two semesters

The spirit of scientific inquiry is essentially humanistic, yet, when science is isolated from moral and spiritual values, it produces monstrosities. Thus, an educated man should know something about science though not necessarily require a professional competence. This course concentrates on awakening minds to a few basic intuitions or intellectual perceptions in each scientific discipline rather than specializing in a particular field. Its object is to achieve scientific literacy through "guided rediscovery," with emphasis upon the scientist as a man in a historic setting, and contributing to the literature, history, the art of his own time—and ours. Books read and discussed include: Butterfield's *The Origins of Modern Science*, Sarton's *A History of Science*, Toulmin and Goodfield's *The Architecture of Matter*, *The Fabric of the Heavens*, *The Discovery of Time*.

Three class hours each week. Three credits each semester.

THE LIFE AND THOUGHT OF WESTERN MAN IV

401 GREAT ISSUES OF THE CONTEMPORARY WORLD

Fall semester

This course surveys the cultural differences and issues portrayed in recent literature; discussions and readings are directed toward an analysis of modern world problems resulting from the historical events of the times. The following topics, among others, are discussed: political terrorism, Russian and French post-revolutionary trends, American problems, modern European and African social issues, and cultures of the future. Among the books read and discussed are: Malraux's *Man's Fate*, Wright's *Native Son*, Paton's *Cry the Beloved Country*, Camus' *The Plague*, Orwell's *Animal Farm*, and *Nineteen Eighty-Four*.

Three class hours each week. Three credits.

403 CONTEMPORARY AMERICAN THOUGHT

Spring semester

This course explores the innovations, issues, conflicts and trends that shape contemporary American thought and life. Discussions and readings deal with changing attitudes that involve risk and fads that influence politics, education, and the contemporary social behavior of the American people in an atomic age. Since the course is concerned with the issues and trends of the present era, the reading list will be subject to frequent variation and change. Books discussed this semester include: Reich's *Greening of America*, Rogers' *Freedom to Learn*, Toffler's *Future Shock*, Puzo's *The Godfather*, Peter and Hull's *Peter Principle*, Jaffe and Tytell's *The American Experience: A Radical Reader*, Neill's *Summerhill*, and *Freedom Not License!*

Three class hours each week. Three credits.

407 SURVEY OF MAJOR UTOPIAS IN WESTERN TRADITION

Fall semester

The search for "Perfectionism" in Western tradition: A survey of major Utopias, from Plato's *Republic* to B. F. Skinner's *Walden Two*.

Three class hours each week. Three credits.

409 IDEALS AND LANDMARKS IN WESTERN EDUCATIONAL THOUGHT

Spring semester

Classic concepts of the University from the medieval *studium generale* through Newman and Whitehead to Ortega y Gasset.

Three class hours each week. Three credits.

DEPARTMENT OF MATHEMATICS

The basic courses in Mathematics are designed to give an adequate foundation to students who intend to concentrate in Biology, Chemistry, Physics and Mathematics. The program of concentration in Mathematics has the objective of providing the student with a sufficient background of theory and practice so that he may be prepared to use mathematics as an end in itself (*e.g.*, in teaching, research) or for the purpose of establishing a career in industry, statistical work, civil service, et cetera.

Required of concentrators: Mathematics 105-107, 201-203, 205, 307, 309, 401-403, 410.

101 FINITE MATHEMATICS

Fall semester

This course is designed as an introduction to concepts of modern mathematics. By including applications to the biological and social sciences, it thus provides a point of view, other than that given by physics, concerning the possible uses of mathematics. Among the topics considered are symbolic logic, sets, probability theory, vectors and matrices, and theory of games.

Prerequisites: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

103 INTRODUCTION TO CALCULUS

Spring semester

Topics in analytic geometry, derivatives and their applications, integration.

Prerequisite: Intermediate algebra and trigonometry

Three class hours each week. Three credits.

105-107 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

Properties of real numbers, topics in analytical trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral. Designed for Mathematics, Physics and Chemistry concentrators.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Three credits each semester.

201-203 ANALYTIC GEOMETRY AND CALCULUS II

Two semesters

Continuation of Mathematics 105-107. Transcendental functions, methods of integration, hyperbolic functions, polar coor-

dinates, vectors and parametric equations, solid analytic geometry and vectors, partial differentiation, multiple integrals, infinite series.

Prerequisites: Mathematics 105-107.

Three class hours each week. Three credits each semester.

205 PROBABILITY AND INTRODUCTORY
MATHEMATICAL STATISTICS *Spring semester*

This course introduces the student to the basic concepts, principles and methods of mathematical statistics and their applications. A course in elementary calculus is a sufficient prerequisite and no prior acquaintance with probability or statistics is assumed. The course is divided into three parts: descriptive statistics, probability theory, and statistical inference.

Prerequisites: Mathematics 103 or 107.

Three class hours each week. Three credits.

303 DIFFERENTIAL EQUATIONS *Fall semester*

Meaning of differential equations, types, applications of differential equations of the first order, linear differential equations with constant coefficients, applications of linear differential equations of the second order, approximate solutions, series solutions, Laplace transforms.

Three class hours each week. Three credits.

305 NUMERICAL ANALYSIS *Spring semester*

Topics include fundamentals of figure accuracy, finite differences, interpolation, LaGrangian formulas, differential and difference equations, least square methods.

Prerequisite: Mathematics 303.

Three class hours each week. Three credits.

307 INTRODUCTION TO MODERN ALGEBRA *Spring semester*

This course is designed for the undergraduate who has had two years of college mathematics, including calculus. It will introduce him to some of the simpler algebraic concepts so much a part of the mathematics of today. Number systems, groups, rings, and fields will be among the topics considered.

Three class hours each week. Three credits.

309 ELEMENTS OF LINEAR ALGEBRA *Fall semester*

Vectors and vector space, matrices, determinants, linear transformations, convex sets, characteristic values.

Three class hours each week. Three credits.

311 MATHEMATICS OF STATISTICS I *Fall semester*

This course builds upon Mathematics 205 and is concerned with the following topics: quality control and acceptance sampling, tests for distribution functions, analysis of variance, pairs of measurements, regression analysis, correlation analysis, errors of measurement, nonparametric methods, and decision functions.

Prerequisite: Mathematics 205.

Three class hours each week. Three credits.

313 MATHEMATICS OF STATISTICS II *Spring semester*

This course will emphasize sampling surveys. Among topics considered will be basic concepts of sampling, stratified sampling, stratification techniques, cluster sampling and sub-sampling.

Prerequisite: Mathematics 311.

Three class hours each week. Three credits.

315 ELEMENTS OF TOPOLOGY *Not offered in 1973-74*

A beginning topology course concerned with topologies and topological spaces, functions, mappings and homeomorphisms, connected spaces and compact spaces.

Prerequisite: Mathematics 105-107 and 307.

Three class hours each week. Three credits.

317 APPLIED MATHEMATICS *Not offered in 1973-74*

Course covers series methods of function representation and solution of differential equations, vector analysis and complex variables as used in the sciences, and partial differential equations.

Prerequisite: Mathematics 303.

Three class hours each week. Three credits.

401-403 ADVANCED CALCULUS *Two semesters*

A study of sequences and series, functions of a real variable, functions of several variables, vectors, the definite integral, improper integrals, line integrals, multiple integrals, and uniform convergence.

Three class hours each week. Three credits each semester.

410 SENIOR SEMINAR IN MATHEMATICS

Two semesters

Through papers and discussions the students are guided to reevaluate their mathematical experience and deepen their understanding of what mathematics is, how it functions, what it accomplishes for the world, and what it has to offer in itself. Approaches which tend to demand interrelation of the various mathematical disciplines. Reserved for concentrators in mathematics.

Two meetings each week. Three credits each semester.

DEPARTMENT OF MODERN LANGUAGES

It is generally recognized that a liberally educated man should have proficiency in a modern language other than his own. It is also true that the knowledge of languages other than English is helpful in many careers.

Satisfactory completion of a modern language at the 203-205 level is required of all concentrators in American Studies, English, History, Philosophy, Political Science, and Sociology.

Two years of high school preparation in the language are expected for qualification in 103 or higher level courses.

A program of concentration is offered only in French Literature. The general aims of this program of concentration are to give a comprehensive and comparative view of the literature and culture of France, and to develop the skills of composition and conversation. A concentration in Spanish Literature is presently being developed.

Required of concentrators, after satisfactory completion of French 203-205: French 305-307, 309-311 or 313-315 and twelve additional credits. Concentrators are also advised to complete the basic courses of another language.

Successful completion of the first semester is prerequisite for continuance in, or admission to, any second semester language course. A laboratory of one hour per week is required in all 103-105, 203-205 courses.

French

103-105 INTRODUCTION TO FRENCH *Two semesters*

Essentials of French. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in French conversation, reading and grammar.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE FRENCH I & II

Two semesters

Advanced conversation and reading. Essentials of French civilization.

Three class hours and a laboratory each week. Three credits each semester.

305-307 ADVANCED READING, COMPOSITION AND CONVERSATION

Two semesters

For students beyond the intensive level, or equivalent, desiring to enhance their comprehension and self-expression.

Three class hours each week. Three credits each semester.

309-311 SURVEY OF FRENCH LITERATURE

Two semesters

This course, conducted in French, surveys the field of French literature. It is required of concentrators, but may be elected by any student who has a fairly good command of the language.

Three class hours each week. Three credits each semester.

313-315 SURVEY OF FRENCH CIVILIZATION

Two semesters

This course, conducted in French, surveys the field of French literature. It is required of concentrators but open to any student with a fairly good command of the language.

Three class hours each week. Three credits each semester.

321-323 FRENCH CANADA

Two semesters

Three class hours each week. Three credits each semester.

325-327 FRENCH DRAMA

Two semesters

An intensive study of French drama in order to develop oral skill in French. These skills will finally be tested by tape recordings and video tape. Most of the studies will be from French plays. Classes will be conducted in French.

Three class hours each week. Three credits each semester.

401-403 FRENCH THEATER OF THE SEVENTEENTH CENTURY

Two semesters

This course is devoted to analysis and discussion of plays by such authors as Corneille, Racine, and Moliere.

Three class hours each week. Three credits each semester.

405-407 EIGHTEENTH CENTURY FICTION

Two semesters

A study of the prose fiction works of Prevost, Marivaux, Voltaire, Diderot and other leading prose writers of the century. The course will be conducted in French.

Three class hours each week. Three credits each semester.

409-411 THE FRENCH NOVEL OF THE NINETEENTH CENTURY

Two semesters

This course analyzes the work of such major novelists as Stendhal and Balzac.

Three class hours each week. Three credits each semester.

Italian

103-105 INTRODUCTION TO ITALIAN *Two semesters*

Essentials of Italian. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in speaking, reading and writing Italian.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR ITALIAN I AND II

Two semesters

Advanced conversation and reading.

Three class hours and a laboratory each week. Three credits each semester.

German

103-105 FIRST YEAR COLLEGE GERMAN *Two semesters*

A course designed to develop proficiency in German grammar and conversation.

Three class hours and a laboratory each week. Three credits each semester.

107-109 SCIENTIFIC GERMAN *Two semesters*

Limited to concentrators in the sciences or Mathematics. High school German is not a prerequisite.

Three class hours each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE GERMAN

Two semesters

Advanced conversation and reading.

Three class hours and a laboratory each week. Three credits each semester.

215-217 INTENSIVE GERMAN

Two semesters

Designed for beginners or somewhat more advanced students eager to achieve substantial ease and command of German through a concentrated exposure to the language, or contemplating going into more advanced courses.

Five class hours each week. Six credits each semester.

305-307 ADVANCED READING, COMPOSITION AND CONVERSATION

Two semesters

For students beyond the intensive level, or equivalent, desiring to enhance their comprehension and self-expression. Required of students majoring in Modern Languages with minor in German.

Three class hours each week. Three credits each semester.

309-311 SURVEY OF GERMAN LITERATURE

Two semesters

A course conducted in English to examine representative works in the novel, drama, and lyric poetry in English translation from romanticism to expressionism. To include, among others, Hesse, Kafka, Mann and Brecht.

Three class hours each week. Three credits each semester.

325-327 GERMAN LITERATURE IN TRANSLATION

Two semesters

This course considers selected works organized around the theme: "The search for self-realization."

Three class hours each week. Three credits each semester.

Spanish

103-105 INTRODUCTION TO SPANISH

Two semesters

Essentials of Spanish. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in Spanish conversation, reading, and grammar.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE SPANISH

Two semesters

Advanced conversation and reading. Essentials of Spanish civilization.

Three class hours and a laboratory each week. Three credits each semester.

215-217 INTENSIVE SPANISH

Two semesters

Designed for beginners or somewhat more advanced students eager to achieve substantial ease and command of Spanish through a concentrated exposure to the language. Recommended for those contemplating going into more advanced courses.

Five class hours each week. Six credits each semester.

305-307 ADVANCED READING, COMPOSITION AND CONVERSATION

Two semesters

For students beyond the intensive level, or equivalent, desiring to enhance their comprehension and self-expression.

Three class hours each week. Three credits each semester.

314-316 LATIN AMERICAN CIVILIZATION

Two semesters

From colonial times to modern times. Conducted in English.

Three class hours each week. Three credits each semester.

315-317 THE SPANISH HERITAGE

Two semesters

The contribution of Spain to Western thought and culture. A survey of Spain within the framework of her literary, historical and social development. Classes conducted in English.

Three class hours each week. Three credits each semester.

409-411 LITERATURE OF SPAIN IN THE NINETEENTH CENTURY

Two semesters

Study of trends and highlights in the development of 19th century literature in Spain through the analysis of representative works of leading authors.

Three class hours each week. Three credits each semester.

413-415 LITERATURE OF THE GOLDEN AGE

Two semesters

Three class hours each week. Three credits each semester.

421-423 GENERATION OF THE '98

Two semesters

Survey course in Spanish of the major writers of the '98 generation. Unsmuno, Ortega y Gasset, Garcia Lorca, Valle Inclan, Baroja, Azorin.

Three class hours each week. Three credits each semester.

425-427 LITERATURE OF SOCIAL PROTEST IN LATIN AMERICA *Two semesters*

Reflections in the main trends and authors of Latin America. Conducted in Spanish. Includes Alegria, Arguedas, Jorge Icaza and others.

Three class hours each week. Three credits each semester.

Russian

103-105 FIRST YEAR COLLEGE RUSSIAN *Two semesters*

A course designed to develop proficiency in Russian conversation, reading and grammar.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE RUSSIAN

Two semesters

A course designed to develop proficiency in Russian conversation and reading. It incorporates the study of Russian civilization and contributions to world civilization.

Three class hours and a laboratory each week. Three credits each semester.

309-311 SURVEY OF RUSSIAN LITERATURE

Two semesters

Survey of Russian literature in translation through literary masterpieces of the nineteenth and twentieth centuries. Fundamental to this course is its aim to present in depth the literature of Russia, its ideological ties with the West and the different forces which have shaped it and given its unique character. It includes the works of Gogol, Tolstoy, Dostoevsky, Sholokov, Pasternak and Solzhenitsyn.

Three class hours each week. Three credits each semester.

DEPARTMENT OF PHILOSOPHY

At Saint Michael's College the courses offered in Philosophy are viewed as an essential part of the total liberal education. Each student is required to take six semester hours in

the discipline in order to enable him to come to grips with some of the basic problems of the field and to see how the great thinkers of past and present have come to grips with them.

The courses in the history of philosophy include both independent study of the over-all period under consideration and class meetings devoted to reading and discussing selected major figures from the period.

Required of all students: Philosophy 101 and 201, which are prerequisites to all other courses in philosophy.

Required of concentrators: Philosophy 101, 201, 203, 401-403, 410, two courses in the history of Philosophy, and two additional courses within the department to be chosen with the advice of the department chairman. Concentrators are urged to fulfill their language requirement in French or German. Moreover, they are counseled to elect courses in the ancient languages.

101 LOGIC

Fall and Spring semesters

After a brief introduction to the nature and value of philosophical inquiry, this course considers the elements of classical logic as the fundamental tools of philosophical discourse.

*Three class hours each week. **Three credits.***

201 PHILOSOPHY OF MAN

Fall and Spring semesters

This course presents a philosophical study of human nature, considering such topics as: man and his body; knowledge; the emotions; desire, choice, and action; habits; the freedom of the will; love and hate; death.

*Three class hours each week. **Three credits.***

203 ETHICS

Fall and Spring semesters

This course presents a philosophical study of human activity including a consideration of the nature of value, happiness, virtue and vice, and law.

*Three class hours each week. **Three credits.***

205 PROBLEMS IN ETHICS

Spring semester

This course will attempt to apply the theory analyzed in Philosophy 203 to contemporary moral problems. The course will fol-

low a seminar format, and the problems to be studied will be decided upon during the first week of class by the teacher and the students.

Prerequisite: Philosophy 203.

Three class hours each week. Three credits.

207 ANCIENT GREEK PHILOSOPHY *Fall semester*

A study of the principal figures of Greek philosophy from Thales through Plotinus. Emphasis is placed on a critical reading of selected texts of the philosophers themselves.

Three class hours each week. Three credits.

303 PHILOSOPHY OF HISTORY *Not offered in 1973-74*

An introduction to ancient, medieval, modern and contemporary philosophical approaches to history, centering on the question of whether or not history is a science.

Three class hours each week. Three credits.

305 PHILOSOPHY OF ART *Spring semester*

This course considers the meaning of a philosophical approach to the whole range of making. This includes an investigation of what productive action is, the nature of artistic knowledge, the reality of artifacts, the definition of beauty, and differences between fine and useful arts.

Three class hours each week. Three credits.

307 PHILOSOPHY OF SOCIETY *Fall semester*

This course considers how a philosopher investigates the nature of human society and political institutions. It illustrates the difference between the methods of political science, sociology, and history in this area, and offers a brief history of leading philosophical theories concerning society. A systematic approach to society is then presented in outline fashion.

Three class hours each week. Three credits.

309 PHILOSOPHY OF EDUCATION

Fall and Spring semesters

This course considers the basic principles, the nature and ends of education, and emphasizes the respective roles of the intellectual and moral virtues in the teaching and learning situation as well as the function of education in society.

Three class hours each week. Three credits.

311 PROBLEMS IN LOGIC

Fall semester

This course considers selected questions of traditional logic, mainly those dealing with dialectical and demonstrative reasoning.

Three class hours each week. Three credits.

313 MEDIEVAL PHILOSOPHY

Spring semester

This course considers the development of philosophical thought from the fourth to the fourteenth centuries. Class readings and discussions center around such major figures as Augustine, Anselm, Abelard, Aquinas, and William of Occam.

Three class hours each week. Three credits.

315 PHILOSOPHY IN THE SEVENTEENTH AND
EIGHTEENTH CENTURIES

Spring semester

This course considers the development of philosophical thought from the Renaissance through the eighteenth century. Class readings and discussions center around such major figures as Descartes, Spinoza, Locke, and Hume.

Three class hours each week. Three credits.

319 PHILOSOPHY OF SCIENCE

Fall semester

An examination of the changing emphases in science and science education; science as inquiry; the place of explanation, definition, and observation; the goals of science education as a humanistic experience and a contribution to human understanding of the physical world.

Three class hours each week. Three credits.

323 SPECIAL QUESTIONS IN MORAL PHILOSOPHY

Not offered in 1973-74

A reading and discussion of ancient and contemporary writings on such questions of ethical bearing as moral judgment, justice, hope and death, love and sexuality.

Three class hours each week. Three credits.

325 PLATO

Not offered in 1973-74

An introduction to the philosophical thought of Plato through a reading and analysis of some of his major dialogues. Required, too, are secondary readings concerning the place of Plato in the development of Greek philosophy, and the history of Platonism.

Three class hours each week. Three credits.

327 ARISTOTLE

Spring semester

The course involves a close reading of selected passages from the works of Aristotle, mainly from the *Physics*, *De Anima* and

Politics. Some consideration will be given, also, to the influence of Aristotle on Western thought.

Three class hours each week. Three credits.

401-403 METAPHYSICS

Two semesters

This course considers the ultimate principles and the common characteristics of reality as well as the presuppositions and methods necessary for a philosophical treatment of such topics.

Three class hours each week. Three credits each semester.

407 NINETEENTH CENTURY PHILOSOPHY

Fall semester

This course considers the development of philosophical thought from the late eighteenth through the nineteenth centuries. Class readings and discussions center around such major figures as Kant, Hegel, Mill, Nietzsche, and Bergson.

Three class hours each week. Three credits.

409 CONTEMPORARY PHILOSOPHY

Spring semester

This course considers major philosophical trends since the start of the present century. Class readings and discussions center around such major figures as Husserl, Russell, Heidegger, Moore, and Sartre.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN PHILOSOPHY

Two semesters

The senior coordinating seminar, both by reading and discussion, analyzes some of the basic philosophical problems, especially those which have a bearing on other disciplines. Reserved for concentrators.

Two meetings each week. Three credits each semester.

421 THE PHILOSOPHY OF KARL MARX *Spring semester*

A study of the philosophical thought of Karl Marx, including a consideration of its sources in such thinkers as Hegel and Feuerbach, and its effect on subsequent philosophy.

Three class hours each week. Three credits.

423 PHILOSOPHY OF RELIGION *Not offered in 1973-74*

This course consists of an in-depth reflection on the nature of religious activity and on the question of whether it is reasonable to engage in this activity. Thus, the nature of faith, and the intellectual approaches to the existence of God will be the two

general areas of investigation. The purpose of the course is to allow the student to use rigorous philosophical tools in order to pose the central religious questions in a clear and precise way, and to begin working out his own answers to these questions at a level of sophistication befitting a college student.

Three class hours each week. Three credits.

425 THE PHILOSOPHY OF LOVE

Fall semester

A study, both historical and speculative, of the meaning and varieties of human love. Special attention will be given to the metaphysical significance of this love as the basic key to the structure of the human existence of men and women in relation to one another and to God.

Three class hours each week. Three credits.

DEPARTMENT OF PHYSICS

Physics concerns itself with the deduction and establishment of the principles which underlie the observable phenomena of the physical universe. For students whose curiosity about physical phenomena guides them to a career in physics, the Physics Department offers courses to prepare them for graduate school, teaching, or industry. Other students interested in science will find that courses offered above the elementary level enrich erudition in their own concentrations.

Mathematics is the language of logic in physics. A student must have a mathematical ability commensurate with the physics content of the course if he expects to master the material. Students who plan to attend graduate school should bear in mind that familiarity with a foreign language may be required.

Required of concentrators: Physics 110, 210-212, 301-303, 401-403, 410. Also Chemistry 105 and Mathematics 105-107.

101 ASTRONOMY

Fall and Spring semesters

Astronomy is the oldest of the Physical Sciences and one of the most influential in the cultures of man. The course will consider: historical astronomy, astronomers' tools, the solar system, stars, galaxies, cosmology.

Three class hours each week. Three credits.

103 ACOUSTICAL FOUNDATIONS OF MUSIC

Fall and Spring semesters

The goal of this course will be to present to non-science students an opportunity to see physical principles applied to an area which is considered to be essentially non-science. In large part it will be qualitative, but there will be laboratory exercises to provide the student with an opportunity to visualize what is being discussed, and there will be field trips to familiarize the students with situations of bad and good acoustics in presently existing structures. The course will be divided into four parts: the basic physics of sound; the basic structures of the receivers of sound; the environment and transmission of sound; the production of musical sound.

Three class hours each week. Three credits.

105 A PHYSICIST LOOKS AT NATURE

Fall and Spring semesters

Topics typically covered in this course would include astronomy, relativity, cosmology, earth science, thermodynamics, the atom and the nucleus.

Three class hours each week. Three credits.

110 INTRODUCTION TO PHYSICS AND CHEMISTRY I

Spring semester

The intersection of concepts in physics and chemistry is explored through the study of mechanics, energy, thermodynamics, electricity, and magnetism and the atom and its structure.

Corequisite: Mathematics 107.

Prerequisite: Mathematics 105.

Three class hours and two laboratories each week. Five credits. May be taken with no laboratories.

210-212 INTRODUCTION TO PHYSICS AND CHEMISTRY II, III

Two semesters

This course for sophomores is a continuation of the freshman course in greater detail.

Prerequisites: Physics 110 and successful completion of Physics 210 in order to take Physics 212.

Three class hours and one laboratory each week. Four credits each semester.

220-222 GENERAL PHYSICS

Two semesters

Liberal Arts students will enjoy this rigorous survey course in physics. Topics covered will be Newtonian dynamics, thermodynamics, kinetic theory, electricity and magnetism, optics and mod-

ern physics. Examples and problems will be taken from all areas by emphasizing the relation of physics to astronomy, chemistry and biology. *This course satisfies the requirement for medical and dental schools.*

Prerequisites: A working knowledge of algebra, geometry, trigonometry; Mathematics 101-103.

*Three class hours and one laboratory each week. **Four credits each semester.***

251 WAVES AND OSCILLATIONS *Fall semester*

Presents a development of wave theory including applications.

Corequisite: Mathematics 201-203.

Prerequisite: Successful completion of an elementary Physics course.

*Three class hours each week. **Three credits each semester.***

301-303 INTRODUCTION TO MODERN PHYSICS

Not offered in 1973-74

A study of the recent developments in the field of physics. It includes some of the concepts of special relativity and quantum mechanics and applies these concepts, as well as the classical concepts, to atomic, molecular, and crystal structure.

Prerequisites: Physics 105-107; Mathematics 201-203.

*Three class hours and one laboratory each week. **Four credits each semester.***

401-403 ELECTRICITY AND MAGNETISM

Not offered in 1974-75

A study of: electrostatic, magnetic and electromagnetic fields and their effects in different media; A.C. and D.C. circuits; electron properties and characteristics.

Prerequisites: Mathematics 201-203; Physics 210-212.

*Three class hours and one laboratory each week. **Four credits each semester.***

410 COORDINATING SEMINAR *Two semesters*

*Two class hours each week. **Two credits each semester.***

DEPARTMENT OF POLITICAL SCIENCE

The primary objective of the department is to train the students in all aspects of political science and to familiarize them with all approaches and methods of the discipline. In addition, the concentration demands a thorough grounding in the

liberal arts and sciences as foundation of civic intelligence and civic culture. Training in political science may be used for entrance into public service, teaching, and law or graduate studies.

Students concentrating in Political Science must demonstrate proficiency in a modern language, either by satisfactory completion of a course at the 203-205 level or by examination. This requirement may be waived only with the written permission of the department chairman.

Departmental requirements for concentrators: Political Science 101, 103, 201, 301, 339, 401, 410, and four semester courses in Political Science.

101 INTRODUCTION TO POLITICS

Fall and Spring semesters

The objective of this course is to provide an introduction to political science as a field of knowledge and inquiry. Instructors are free to use their own methods of achieving this objective.

Three class hours each week. Three credits.

103 RESEARCH METHODS AND METHODOLOGY

Spring semester

This course seeks to familiarize the student with various methodological issues that shape current research in political science. The course will also explore some of the basic skills used by social scientists in gathering, analyzing, and interpreting data.

Reserved for concentrators.

Three class hours each week. Three credits.

201 INTRODUCTION TO AMERICAN NATIONAL GOVERNMENT

Fall semester

A general introduction to the structure and processes that define American politics on the national level.

Reserved for American Studies and Political Science concentrators.

Three class hours each week. Three credits.

203 AMERICAN FOREIGN POLICY

Spring semester

An introduction to the nature, objectives, and practices of the foreign policy of the United States.

Three class hours each week. Three credits.

205 PUBLIC ADMINISTRATION

Fall semester

An introduction to the organization, management, and administration of public agencies on the local, state, and national levels.

Three class hours each week. Three credits.

207 POLITICAL PARTIES AND PRESSURE GROUPS

Spring semester

A study of the policy-making process in American government; of public opinion, political parties, and pressure groups as agencies of policy formation.

Three class hours each week. Three credits.

209 POLITICAL GEOGRAPHY

Spring semester

An examination of the physical, economic, and cultural factors which influence the distribution of power among nation states.

Three class hours each week. Three credits.

211 THE AMERICAN PRESIDENCY

Fall semester

This course is designed to acquaint the student with the powers and responsibilities of the office of the American chief executive as well as the political forces that have shaped this office.

Three class hours each week. Three credits.

213 THE CONGRESS

Not offered in 1973-74

A descriptive and analytical survey of the political and structural variables that shape policy-making at the congressional level.

Three class hours each week. Three credits.

301 CONSTITUTIONAL LAW

Spring semester

This course will examine the nature of the Supreme Court of the United States as well as the scope of its judicial power. The reading of Supreme Court cases will be supplemented by pertinent articles and secondary readings.

Reserved for American Studies and Political Science concentrators.

Three class hours each week. Three credits.

303 AMERICAN POLITICAL BEHAVIOR

Not offered in 1973-74

This course concerns itself with political inputs. Consideration is given to the variables that govern the various behavior patterns displayed by the American electorate.

Three class hours each week. Three credits.

305 CIVIL LIBERTIES

Not offered in 1973-74

An intensive study of the most important Supreme Court decisions concerning civil liberties. Particular emphasis will be placed on the First Amendment freedom.

Three class hours each week. Three credits.

311 INTERNATIONAL LAW

Spring semester

A survey of the law of nations dealing with the origin, sources, scope and subjects of the law, and the law of interstate transaction.

Three class hours each week. Three credits.

313 INTERNATIONAL ORGANIZATION

Fall semester

An analysis of the structure and processes of international organizations with a special emphasis on the United Nations.

Three class hours each week. Three credits.

315 POLITICS OF DEVELOPMENT

Fall semester

A survey of developing political systems and their comparison according to common categories.

Three class hours each week. Three credits.

317 COMPARATIVE STATE GOVERNMENT

Fall semester

A study of political behavior at the state level and attempts at generalizations about the political system using the fifty states as units for comparative analysis.

Three class hours each week. Three credits.

321 URBAN GOVERNMENT

Spring semester

This course seeks to investigate the variables that combine to produce the contemporary "urban crisis." Special emphasis will be given to the problems of race, poverty, and cultural drain that plague American cities and the political responses to these problems.

Three class hours each week. Three credits.

323 EMPIRICAL THEORY IN THE SOCIAL SCIENCES

Not offered in 1973-74

A survey of the theoretical forces that have shaped the development of an empirical approach to phenomena in the social sciences.

Three class hours each week. Three credits.

329 GOVERNMENT AND POLITICS IN AFRICA

Spring semester

A survey of the development of governmental institutions and political processes in Sub-Sahara Africa.

Three class hours each week. Three credits.

331 GOVERNMENT AND POLITICS IN
EUROPE

Fall semester

A survey of the development of governmental institutions and political processes in Great Britain, France, Germany, and the Soviet Union.

Three class hours each week. Three credits.

333 GOVERNMENT AND POLITICS IN EASTERN
EUROPE

Spring semester

A survey of the development of governmental institutions and political processes in East Central Europe.

Three class hours each week. Three credits.

335 GOVERNMENT AND POLITICS IN LATIN
AMERICA

Spring semester

A survey of the development of governmental institutions and political processes in Latin America.

Three class hours each week. Three credits.

337 GOVERNMENT AND POLITICS IN EAST ASIA

Fall semester

A survey of the development of governmental institutions and political processes in China and Japan.

Three class hours each week. Three credits.

339 WORLD POLITICS

Spring semester

An analysis of the factors operating in world affairs in terms of international conflict and cooperation.

Reserved for concentrators.

Three class hours each week. Three credits.

401 HISTORY OF WESTERN POLITICAL THOUGHT

Fall semester

A study of the most important political theorists of western civilization.

Reserved for concentrators.

Three class hours each week. Three credits.

403 AMERICAN POLITICAL THOUGHT

Not offered in 1973-74

Not a survey, the course will be a close study of major works in American politics to the Civil War.

Three class hours each week. Three credits.

405 AMERICAN POLITICAL THOUGHT II

Not offered in 1973-74

As a continuation of P.S. 403, the course will be a close study of major works in American politics after the Civil War.

Three class hours each week. Three credits.

410 SENIOR SEMINAR

Fall and Spring semesters

This is a course designed for small group and independent study techniques. Individual instructors will determine the direction of inquiry.

Reserved for concentrators.

Two classes each week. Three credits.

415 ORDER AND REVOLUTION

Spring semester

With particular emphasis on revolution in the twentieth century, the course will attempt to combine a conceptual and historical analysis of modern political revolution.

Reserved for Juniors and Seniors.

Three class hours each week. Three credits.

421 ADVANCED RESEARCH METHODS

Fall semester

This course involves a major research project and seeks to familiarize the student with the application of theory and technique of research in political science.

Prerequisite: Political Science 103.

Three class hours each week. Three credits.

423 IDEOLOGY AND CONFLICT

Spring semester

An investigation into the roots of contemporary ideological conflict. Seminars will explore the psychological constraints as well as "personal status" and class dimensions of conflict in America.

Prerequisite: Political Science 303.

Three class hours each week. Three credits.

DEPARTMENT OF PSYCHOLOGY

The concentration in Psychology includes a core program in traditional experimental psychology, required of all concentrators, and an option for a clinically-oriented program. The required core program includes General Psychology, Statistics, Experimental Psychology, Systematic Psychology, and Physiological Psychology. The Clinical option includes courses in Personality, Abnormal Psychology, and Psychological Testing.

101 GENERAL PSYCHOLOGY *Fall and Spring semesters*

An introduction to the entire field of psychology with emphasis on the normal adult human being.

*Two lectures and one discussion each week. **Three credits.***

201 STATISTICAL METHODS IN PSYCHOLOGY

Spring semester

A survey of the basic statistical techniques employed by the behavioral scientist. Topics included are descriptive and inferential statistics, both parametric and nonparametric. Emphasis is placed on inferential statistics, particularly analysis of variance.

Prerequisite: Psychology 101.

*Three class hours each week. **Three credits.***

203 BEHAVIOR MODIFICATION

Spring semester

A survey of the techniques that are employed in the manipulation and control of human behavior with an evaluation of their effectiveness.

Prerequisite: Psychology 101.

*Three class hours each week. **Three credits.***

205 DEVELOPMENTAL PSYCHOLOGY

Spring semester

A survey of the basic principles of behavioral development, with emphasis on the development of human behavior. Topics included are prenatal development, development of learning, intellectual development, language development, research methods. Various theories of development are also considered.

Prerequisite: Psychology 101.

*Three class hours each week. **Three credits.***

301 SENSORY PROCESSES

Fall semester

An introductory survey of the physiology and functioning of the major sensory systems in the animal kingdom, with emphasis on the primates. Students will be given experience in the use of classical and contemporary psychophysical methods, including animal psychophysics.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

303 PERCEPTION

Spring semester

A survey of man's basic perceptual systems from a phenomenological point of view. The course will include a survey of the methods used in perceptual research, contemporary theories of perception, interpersonal perception, perception and the visual arts, perception and environmental design, and perceptual development.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

305 SOCIAL PSYCHOLOGY

Fall semester

A survey of the methods and concepts used in the study of individuals in groups. Topics included are: attitudes, social norms, group dynamics, leadership, social conflict, social movements, groups and organizations, language and communication.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

306 EXPERIMENTAL PSYCHOLOGY: RESEARCH METHODS

Fall semester

An in-depth introduction to the techniques of modern psychological research. Topics included are: experimental design, techniques of data collection and analysis, fundamentals of report writing, and the development of an original research proposal.

Prerequisite: Psychology 101, 201.

Two lectures and one two-hour laboratory each week.

Four credits.

308 EXPERIMENTAL PSYCHOLOGY: LEARNING

Spring semester

A survey of the field of animal learning including classical and instrumental conditioning, the parameters of reinforcement, generalization, discrimination, transfer and extinction. Includes laboratory work with animals in operant chambers.

Prerequisite: Psychology 306.

Three lectures and one two-hour laboratory each week.

Four credits.

309 PHYSIOLOGICAL PSYCHOLOGY

Fall semester

A survey of neuroanatomy, neurophysiology, endocrinology, the physiological basis of sleep and arousal, hunger, thirst, sexual motivation and learning. Laboratory work in the dissection of the sheep brain, and introduction to surgical procedures on the animal nervous system, histological techniques and lesion and stimulation preparations.

Prerequisite: Psychology 101; Recommended Biology 307.

Three lectures and one two-hour laboratory each week.

Four credits.

311 SYSTEMATIC PSYCHOLOGY

Spring semester

A survey in depth of the chief historical and contemporary psychological schools of thought. Topics included are: structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis and contemporary systems and theories in sensation, perception, learning, motivation, emotion and personality.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

313 PERSONALITY

Fall semester

A survey of major theories of personality. Emphasis is on Freudian and related points of view which are compared to the theories of Adler, Moreno, Allport, Maslow, Sheldon, Mowrer and Rogers.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

315 ABNORMAL PSYCHOLOGY

Spring semester

The origin, characteristics and treatment of the behavior disorders, including minor maladjustments and the major neuroses and psychoses.

Prerequisite: Psychology 313.

Three class hours each week. Three credits.

317 DRIVING FORCES IN HUMAN NATURE

Fall semester

A special course for non-concentrators in psychology. Its purpose is to present a picture of the inner life of man as it interacts with the environment, as it is experienced and expressed in behavior. It attempts to synthesize concepts from psychology, psychiatry and psychoanalysis, in order to account for the develop-

ment of the unique personality, its reactions, equilibrium and breakdown. Especially designed for future teachers, social workers, physicians, businessmen.

Prerequisite: Junior and senior standing.

*Three class hours each week. **Three credits.***

319 PSYCHOLOGY OF THE MALADJUSTED

Spring semester

A continuation of *The Driving Forces in Human Nature*. A course for non-concentrators in psychology exploring the malfunctions of the human personality ranging from problems of everyday life to serious mental disabilities. Includes a discussion of attitudes to promote mental health.

Prerequisite: Psychology 317.

*Three class hours each week. **Three credits.***

401 TESTS AND MEASUREMENTS

Fall semester

An introduction to the fundamentals of psychological testing. Included are topics in the construction, administration and interpretation of ability, interest, personality tests.

Prerequisites: Psychology 101, 201.

*Three class hours each week. **Three credits.***

403 PSYCHOPHARMACOLOGY

Offered in alternate years. Fall semester

A survey of basic drug effects on behavior. Topics included are: neuropharmacology, behavioral pharmacology, endocrine pharmacology, the influence of drugs on learning and memory.

Prerequisite: Psychology 309.

*Three class hours each week. **Three credits.***

405 COMPARATIVE PSYCHOLOGY

Offered in alternate years. Fall semester

Animal and human behavior from the viewpoint of the comparative psychologist and ethologist. Topics included are: aggression, reproduction social hierarchies, biological rhythms, learning and memory.

Prerequisite: Psychology 309.

*Three class hours each week. **Three credits.***

406-408 SENIOR HONORS RESEARCH

Fall and Spring semesters

For qualified seniors interested in experimental, field or library

research in a topic to be jointly decided upon by the student and a faculty sponsor.

Prerequisite: Permission of the chairman of the department.

Meetings and credits to be arranged.

407 INTRODUCTION TO CLINICAL PSYCHOLOGY

Spring semester

A survey of the various schools of thought and techniques used in clinical practice. Topics included are: interviewing, testing, assessment from everyday situations, preparation of clinical reports. The major individual and group approaches to psychotherapy.

Prerequisites: Psychology 313, 315.

Three class hours each week. Three credits.

409 SENIOR SEMINAR

Fall and Spring semesters

A review and discussion of current topics in the field of psychology. The student will be expected to do independent reading in journals, to prepare and present it orally for discussion by the group.

Prerequisite: Permission of the instructor.

Two meetings each week. Three credits.

DEPARTMENT OF RELIGIOUS STUDIES

Religious Studies are offered in keeping with the general objectives of Saint Michael's as a Catholic liberal arts college, that is, to present systematically the meaning and relevance of Christian beliefs. An understanding of religion and its historical significance is essential for an education which claims to be liberal. We also aim to develop in students of any persuasion an appreciation of other significant religious beliefs. Finally, these studies are very useful in understanding the pattern of Western civilization, and thus, of oneself.

All Students. Every student is required to take at least six credits (two courses) in Religious Studies. Though a student may fulfill this requirement at any time during four years, he must take a course in the *100 series* before he may take a course in the *200 to 400 series*.

Courses in the *100 series* are:

Introduction to the Old Testament;

Introduction to the New Testament;

Introduction to Christianity;
Christianity and other Religions.

These courses are repeated every year. A certain number of upperclassmen may take them as electives according to the room available.

Courses in the 200 to 400 series will be of four kinds:

Biblical Studies;
Christian Theology . . . Systematic, Historical, Moral;
Other Religions and Movements;
Religion and Culture.

These courses are given only occasionally. They are numbered from 200 to 400 but no sequence is necessarily intended. However, there may be prerequisites for individual courses.

Students in the Religious Studies Concentration. Beyond the reasons given above, the concentration in Religious Studies provides students with the opportunity for more extensive and intensive exploration of the Christian experience and the traditions of other religions. In the context of the College's overall curriculum, the Religious Studies concentrator is able to deepen and expand his understanding of the religious dimension of life, both culturally and personally. It is also an excellent focal point for liberal arts and mental discipline. It can also serve as a preparation for Christian action (e.g. Christian education) or for graduate studies.

Concentrators in Religious Studies must take the following:

- A. In Religious Studies, 10 courses of which 5 are required and 5 are elective. The 5 required courses are: *Introduction to the Old Testament, Introduction to the New Testament, 1 course in Other Religions and Movements, 2 courses in Catholic studies;*
- B. In Philosophy, students will take *Logic and Philosophy of Man*. They are urged to take more, especially in *History of Philosophy;*
- C. In Natural Science, students will follow the requirements for all students;
- D. In Social Science, 6 credits chosen from *Psychology, Sociology, Political Science;*
- E. In Humanistic Studies, 6 credits chosen from the various fields, with the exception of *Modern Language.*

Students are encouraged to take more than the minimum 6 credits. Those students who expect to go on to graduate school should study German, French, and in some instances, Latin, Greek, Hebrew.

Following is a list of all the courses offered. Some are given only occasionally. Those with a date and short description are the ones being offered for this academic year. The department itself puts out a much longer description containing time, teacher, title, contents, books, method and evaluation. This is available upon request from the department or from the Registrar.

110 INTRODUCTION TO THE OLD TESTAMENT

Fall semester

The religious literature of ancient Israel is studied against the background supplied by history, archaeology and literary analysis. Theological insights on God, man, history, etc., are emphasized.

Three class hours each week. Three credits.

120 INTRODUCTION TO THE NEW TESTAMENT

Spring semester

History of Jesus of Nazareth, Paul the Apostle and the origins of the Christian Church as reflected in the New Testament writings.

Three class hours each week. Three credits.

130 INTRODUCTION TO CHRISTIANITY *Two semesters*

A modern approach to the Christian message. Using as a text "A New Catechism," and attempt is made to interpret faithfully the "renewal which found expression in the second Vatican Council." The problem method is used in a seminar situation. *The first semester is a prerequisite for the second semester.*

Three class hours each week. Three credits each semester.

140 CHRISTIANITY AND OTHER RELIGIONS

Fall semester

An investigation of the religious experience of man as expressed in the great religious traditions and quasi-religious movements in the modern world (East and West). Questions of religious meaning and truth arising from the encounter of Christianity and other religions.

Three class hours each week. Three credits.

200—Biblical Studies

201 EXPLORATION OF THE OLD TESTAMENT (PROSE)

Fall semester

Individual sections of the biblical text are isolated and analyzed with comparisons from other ancient Near Eastern literatures. Study of how the lore of Israel was collected and transmitted by such popular institutions as shrines and tribunals, as well as in individual homes and royal courts.

Three class hours each week. Three credits.

- Exploration of the Old Testament (Poetry)
- Prophecy in Israel
- Apocalyptic
- Israelite Society Against Its Ancient Near Eastern Background
- Biblical Theology of the Old Testament
- The Religion of Israel
- History of Israel
- Biblical Hebrew
- The Quest of the Historical Jesus
- Paul and His Letters
- Christology of the New Testament
- The Johannine Writings
- The Resurrection
- History of the New Testament
- Biblical Greek

300—Christian Theology; Systematic, Historical, Moral

301 RELIGION AND CONTEMPORARY MORAL PROBLEMS

Spring semester

A consideration of the relationship between religion and morality with a focus on some contemporary personal and social issues. Moral questions related to technology, ecology, freedom, sexuality, abortion, violence, justice, peace, etc., will be raised and explored in some depth.

Three class hours each week. Three credits.

303 THE THEOLOGICAL STUDY OF GOD

Spring semester

Theological questions on the nature and life of God are treated systematically, presenting the student an example of theological method operating in theology's central area of concern.

Three class hours each week. Three credits.

305 THE CHURCH IN THE NEW TESTAMENT AND TODAY

Spring semester

The birth of Christianity as contained in the New Testament:

i.e., the Gospels and Epistles; the Church in history; the crisis in the modern Church.

Three class hours each week. Three credits.

- Selected Topics in Moral Theology (e.g. Matrimony, etc.)
- Faith, Reason and Religious Knowledge
- Historical Theology (Patristic, Medieval, Reformation, Modern, Contemporary, e.g., Catholic Theologians, Modern Religious Thinkers)
- Protestant Thought
- Theology of Man (Theological Anthropology)
- Liturgy, Sacraments, etc.
- Church History
- Jesus, God and Man

400—Other Religions and Movements

401 HINDUISM AND BUDDHISM: EASTERN TRADITIONS

Fall semester

A critical investigation of the origin and development of Indian religious life and thought. A philosophical, historical and literary study of two major religious traditions of the East in the context of their rise, interaction and development, and their approach to the fundamental religious questions of man.

Three class hours each week. Three credits.

404 PHENOMENOLOGY OF RELIGION

Spring semester

An examination of the nature of religious experience, belief and behavior, and study of the meaning of the religious quest. Modern descriptions of the essence of religion. Wide variety of contemporary approaches to the study of religious phenomena.

Three class hours each week. Three credits.

405 RELIGIOUS EXPERIENCE

Fall semester

What is faith to the religious man? Views from a wide variety of sources such as everyday experience, mysticism, symbol, rite, myth, language, etc.

Three class hours each week. Three credits.

411 JEWS AND JUDAISM FROM POST-BIBLICAL TIMES TO THE FRENCH REVOLUTION

Fall semester

A history of the religion and culture of the Jewish people from the Roman occupation of Palestine to the French Revolution.

Three class hours each week. Three credits.

413 CONTEMPORARY JEWS AND JUDAISM

Spring semester

Examines the experience and religious and cultural growth of the Jewish people from the 18th Century to 1972.

Three class hours each week. Three credits.

- Indian Religious Thought: Eastern Philosophy
- Yoga and Zen: Eastern Spirituality
- Philosophy of Religion
- Belief or Unbelief: The Modern Crisis

450—Religion and Culture

451-453 FRENCH LITERATURE AND RELIGION

Two semesters

A study of the difference of approach found in literature and theology when dealing with the human condition and man's search for the infinite. Translations of French authors from Villon to Camus will be used. *Students can take either semester or both semesters.*

Three class hours each week. Three credits each semester.

- Religion and Science
- Religion and Psychology
- Religion and Art
- Religion and Literature
- Theological Background of J. R. R. Tolkien
- Religion and Secularism
- Christian Humanism
- Political Theology
- Myth, Symbol and Ritual

DEPARTMENT OF SOCIOLOGY

The discipline of sociology attempts to provide such knowledge of social phenomena as can be obtained by the use of empirical methods. While it is hardly the only means of approaching an understanding of these matters, the analytical perspective of sociology does provide insights into the nature of the distribution of power and wealth, the sources of group conflict and social turmoil, the bases of social cohesion, and the factors contributing to social change, among other subjects.

It is not the goal of sociology, as an undergraduate discipline, to prepare students for a specific occupation. In keeping with the liberal arts tradition it aims to provide an awareness of the complexity of social life, a tolerance of diversity, and an impatience with complacency. It does provide an analytical perspective that is useful in any of the careers which are usually entered by graduates of liberal arts colleges. It is also suitable preparation for graduate work in sociology and related fields.

Required of concentrators: Sociology 201, 203, 301, 310, 410 and twelve additional semester hours. In addition, concentrators must satisfactorily complete the 203-205 level of a modern language.

201 INTRODUCTORY SOCIOLOGY

Fall and Spring semesters

This course is designed to introduce the student to sociological analysis. It will include an examination of population, social stratification, community organization, economic, political and religious institutions.

Three class hours each week. Three credits.

203 RESEARCH METHODS

Spring semester

The purpose of this course is to give the student an awareness of the techniques that are used to gather the data on which sociological generalizations rest. This course is intended primarily for concentrators, but it is not reserved for concentrators.

Three class hours each week. Three credits.

205 SOCIAL PROBLEMS

Not offered in 1973-74

An investigation of the complex nature of many contemporary social issues.

Three class hours each week. Three credits.

209 ANTHROPOLOGY

Spring semester

An introduction to the field of anthropology, with an emphasis on the study of culture patterns in a variety of times and places.

Three class hours each week. Three credits.

301 FOUNDATIONS OF SOCIOLOGICAL THEORIES

Fall semester

A survey of the classical European theorists in the development of sociology.

Three class hours each week. Three credits.

302 CONTEMPORARY SOCIOLOGICAL THEORY

Spring semester

A continuation of Sociology 301, with major emphasis on American theories and on the sociology of knowledge.

Three class hours each week. Three credits.

303 THE FAMILY

Spring semester

The family as a social institution; its internal organization and formation in the past and in the present. Special emphasis will be placed on problems affecting the American family.

Three class hours each week. Three credits.

305 POPULATION ANALYSIS

Not offered in 1973-74

This course will be concerned with population size, distribution, and composition, and the relationships between these factors and economic and political conditions. Particular attention will be paid to "underdeveloped" areas of the world.

Three class hours each week. Three credits.

307 SOCIOLOGY OF EDUCATION

Fall semester

An exploration of various aspects of the educational enterprise. Recent research and writings will be emphasized. Professionalism, the testing movement, societal inequalities, educational opportunities and financing controversies will be among the subjects considered.

Three class hours each week. Three credits.

310 DIRECTED READING IN SOCIOLOGY

Two semesters

The objective of this course is to help the concentrator to become acquainted with the leading books and the recognized authorities in the field of sociology.

Reserved for concentrators.

Two meetings each week. Three credits each semester.

317 SOCIAL STRATIFICATION

Not offered in 1973-74

An examination of inequalities in wealth, power, and privilege in the United States and other nations.

Three class hours each week. Three credits.

319 SOCIOLOGY OF POLITICS

Fall semester

An analysis of the social bases of politics. Social movements of various sorts (civil rights, independence, separatist, etc.) as well as electoral behavior will be considered.

Three class hours each week. Three credits.

321 RACIAL AND ETHNIC GROUPS *Spring semester*

An examination of one of the most basic sources of cleavage in society.

Three class hours each week. Three credits.

323 URBAN SOCIOLOGY *Fall semester*

An examination of the nature and working of the city, including an analysis of some of the recent writings in this area.

Three class hours each week. Three credits.

325 SOCIAL INTERACTION *Fall semester*

An examination of the dynamics of interpersonal interaction, with particular attention to symbolic communication, gaming, role-playing, perception, social ritual, and normative assumptions.

Three class hours each week. Three credits.

333 SOCIOLOGY OF SEX ROLES *Spring semester*

An examination of the sources, manifestations, and consequences of male and female role differences in American society.

Three class hours each week. Three credits.

403 CRIMINOLOGY *Spring semester*

An examination of criminal law, law enforcement, judicial procedures and penal practices.

Three class hours each week. Three credits.

407 AMERICAN SOCIETY *Fall semester*

An exploration of various writings that illuminate the basic nature of the society.

Three class hours each week. Three credits.

409 SOCIOLOGY OF RELIGION *Not offered in 1973-74*

An analysis of the function of religion in society according to the interpretation of major sociological theorists. Special emphasis will be placed on the contemporary crisis in belief.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN SOCIOLOGY

Two semesters

The emphasis is on contemporary research and writing. Through

reports and discussion the student is guided to a familiarity with some of the issues of the day in Sociology.

Reserved for concentrators.

Prerequisites: Sociology 201, 203, and 310.

*Two meetings each week. **Three credits each semester.***

411 RELIGION IN AMERICAN LIFE *Spring semester*

An historical and sociological analysis of American religion and its influence on our culture.

*Three class hours each week. **Three credits.***

COLLEGE PERSONNEL

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- Joseph Amrhein, Ph.D. (New York University)
Professor of Business and Economics
- Thomas B. Andersen, Ph.D. (Fordham University)
Assistant Professor in History and American Studies
- Daniel J. Bean, Ph.D. (University of Rhode Island)
Associate Professor of Biology
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- William G. Bradley, M.S. (Northeastern University)
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1972-73
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<i>Student Information Center</i>	Maureen A. McNamara
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<i>Assistant Controller</i>	Joseph Rotella, Jr.
<i>Bookstore Supervisor</i>	
<i>Chief of Security</i>	Edgar C. Hooke
<i>Supervisor of Health Services</i>	Ann Sullivan, R.N.

A Visit to Saint Michael's College

Prospective students and their parents are cordially invited to visit the college, tour the campus, and discuss educational needs and objectives.

If you plan to visit the campus, Admissions Office (Jemery Hall) hours are: Monday through Friday 9:00 AM to 4:30 PM, Saturday mornings by appointment only.

TELEPHONE: Burlington, Vermont, Area Code 802,
655-2000

WRITE FOR INFORMATION TO:

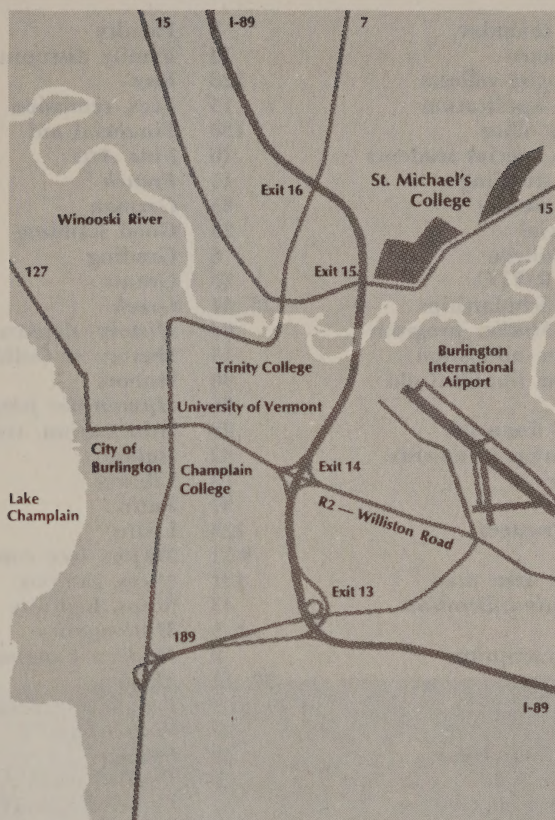
**Director of Admissions
Saint Michael's College
Winooski, Vermont 05404**

Saint Michaels is easily accessible by automobile, bus and air. If you plan to come by auto, we suggest you look at the road map on the following page for ideas and then refer to more specific road maps provided by the major oil companies and automobile associations.

If you prefer to come by air, Allegheny Airlines, Air New England, Air North, and Executive Airlines serve nearby Burlington International Airport. Local bus and taxis serve the campus.

Buslines are Greyhound or Vermont Transit.

The table below indicates *approximate* air travel times and road distances. Actual times and distances would depend upon connections or the route followed.



THE BURLINGTON VERMONT AREA

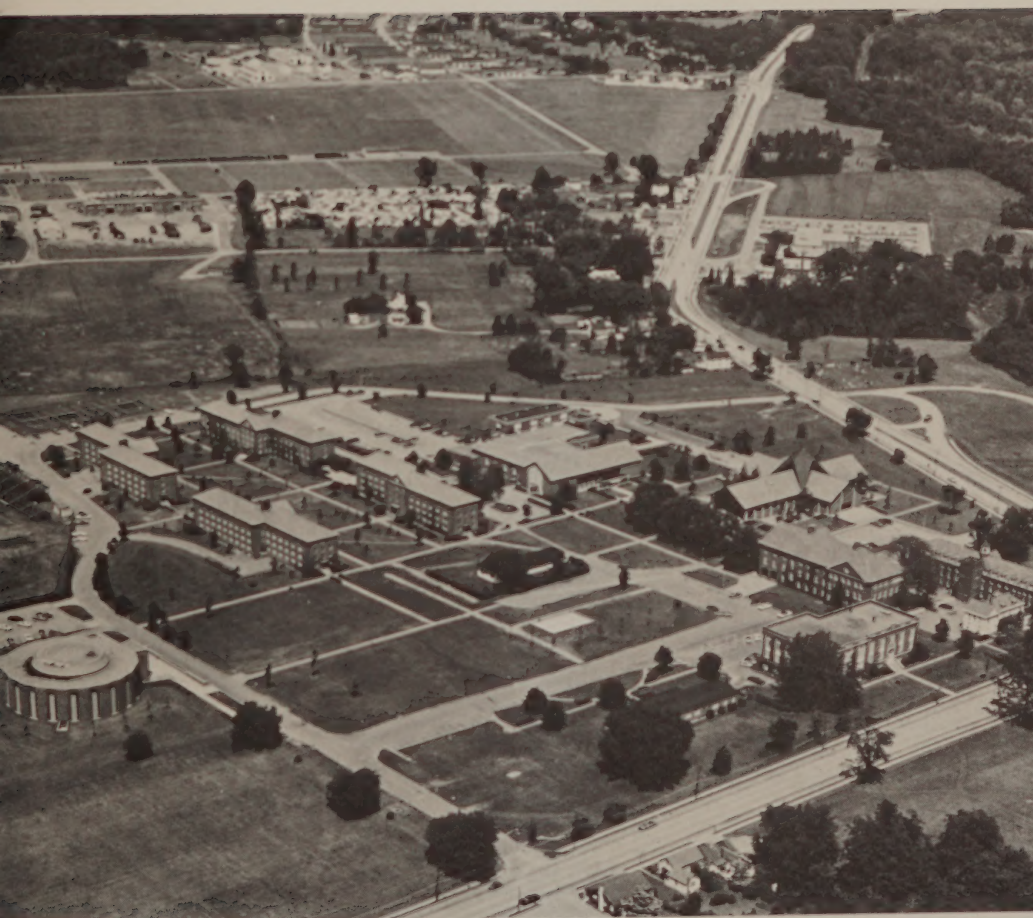
AIR TIMES (Burlington International Airport)	CITY	ROAD MILEAGE* (Approximate, depending on route taken)
32 minutes	Albany, N.Y.	141 miles
154 minutes	Boston, Mass.	225 miles
137 minutes	Hartford, Conn.	222 miles
28 minutes	Montreal, Canada	98 miles
155 minutes	New Haven, Conn.	257 miles
82 minutes	Newark, N.J.	291 miles
68 minutes	New York City	287 miles
—	Portland, Me.	222 miles
118 minutes	Providence, R.I.	247 miles
137 minutes	Springfield, Mass.	199 miles
76 minutes	White Plains, N.Y.	266 miles
203 minutes	Worcester, Mass.	210 miles

AMTRAC RAIL SERVICE is available to Montreal, Brattleboro, Springfield (Mass.), New York City and Washington.

*Source: AAA

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